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CHAPTER I

THE PAGAN ARISTOCRACY AND THE CONFUSION OF PARTIES

In spite of the moral force which ensured the future to the Christian faith, its final triumph was long delayed. Religious conservatism is, of all forms of attachment to the past, probably the most difficult to overcome. It has its seat in the deepest and most powerful instincts of human nature, which, when they have once twined themselves around a sacred symbol of devotion, are only torn away after a long struggle. But this form of attachment is peculiarly obstinate when it is identified, as religion has so often been, with patriotic reverence for the glory of an ancient state, which in the omens of its birth, the election of its magistrates, the daily work of peaceful administration, or in the stress of war, and the exultation of conquest, has for many ages recognised the same divine sanction and help. Superstitious fancy, or the seductive charm of sacred festivals, may keep the vulgar constant to the old faith; but the class which in high office has been specially charged with the safety of the State, and which, by a chain of real or imagined ancestry, is more closely identified with its career, is penetrated with a deeper conservatism than that of the common herd. Antiquarian and literary culture also reinforce religious sentiment, or replace it, when it has decayed. Even the sceptical epicurean, to whom all faiths are alike, will prefer that which has the refined charm of immemorial possession, and which has received an added dignity and glory from the magic touch of genius, and the reverence of heroic characters. For nearly a hundred years the emperors had intermittently denounced the practice of the rites of heathenism. Yet the

edict[1] which closes the long series of anti-pagan laws, shows, by the fierceness of its tone, and the severity of the penalties with which it threatens the offender, that the spirit of paganism was not yet crushed. In the very years in which Theodosius was issuing the laws which were to extinguish the ancient superstition, men were reviving a prophecy that the religion of the Cross was about to reach its final term,[2] and the most solemn pagan rites were publicly celebrated.[3] At the close of the fourth century the majority of the Senate were little touched by the Christian faith,[4] although the wives and daughters of some of them had adopted its most ascetic form. Staunch adherents of paganism still held the Urban or Pretorian prefecture in the reign of Honorius. They still met, apparently with no thought of the imminent triumph of the Church, to hear one of their number expound the sacerdotal lore of Rome,[5] and another set forth the Stoic or Alexandrian interpretation of the myths, or the command of augural science possessed by Virgil. Their great poet, as if he were writing in the age of Augustus, could invite the Christian Emperor Honorius to survey the shrines of the gods,[6] which still in all their old splendour surrounded the imperial palace with a divine guardianship. Another pagan poet,[7] who had been prefect of the city, a quarter of a century after the death of Theodosius, could pour contempt on the Christian profession, and rejoice at the sight of the villagers of Etruria gaily celebrating the rites of Osiris in the springtime. Magic and divination of every form had long been under the ban of the State. Yet a prefect of Honorius proposed to employ the Tuscan sorcerers,[8] who offered the aid of their arts against Alaric, and Litorius, fighting against a successor of Alaric in Gaul, consulted the pagan seers before his last battle, under the walls of Toulouse.[9] In the last years of the Western Empire, the diviners of Africa were practising their arts among the nominal Christians of Aquitaine.[10]

Long after the external rites of heathenism had been sup-

[1] *Nov. Th.* tit. iii.
[2] S. Aug. *de Civ. Dei*, xviii. 53. See Seeck's *Symmachus*, cxviii.
[3] *C.I.L.* vi. 512.
[4] Seeck's *Sym.* liv.; Zos. iv. 59. For the opposite view cf. Prud. *c. Sym.* i. 566; Ambros. *Ep.* 17, 10; Rauschen, *Jahrbücher der Chr. Kirche*, p. 119.
[5] Macrob. *Sat.*
[6] Claudian, *de Sex. Cons. Hon.* 4[illegible]
[7] Rutil. Namat. i. 440, 3[illegible]
[8] Zos. v. 41.
[9] Prosp. *Chron.* 439.
[10] Apollin. Sidon. *Ep.* viii. 1[illegible]

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3 (7/(/:. /* 3 '9- '&3 (7.-. &.-. &).64) ++.-.3(0'30.,('3* '+ (7. 1./3 3:' '+ (7. 7-*(/3 ,-'+.** '3 7.-. 0/3 2. 6((6.)'92 (7/((7.-. &/* /';/(1/** '+ 3(.-.*(.) /3) ,.-+930('-4 0'3+'-1 (4 (' (7. -.6 : '3 &7 07 7/) 2.0'1. (7. .*(/26*7.) -.6 : '3 '+ (7. (/(. 7. ,76'*', 7 0 *0.,(0*1/3) &'-6)64 ('3.'+ (7. 096(;/(.) ,/:/3 &.-.'+(.3 3'(1907 /6(.-.) &7.3 7. (-/3*+.--.) 7 * 3'1 3/6 /66.: /30. +-'1 7 * /30.*(-/6 :')* (' 7-*(7.-. &/* /* &'-6)6 3.** /3) ./*4 *.6+ 3)96:.30. 3 (7. 7 :7.- -/38 '+ 3'1 3/664 7-*(/3 *'0.(4 &7 07 1';.) /6 8. (7. 3) :3/('3 '+ (7. /*0.(0 /3) (7. :'') 791'9-.) -) 096. '+ (7. ,/:/3 '2*.-;.-M E9(/'6/-:. /3) :-'& 3:06/** (''8 (7. 06/ 1* '+ 7-*(1'-. *.-'9*64 ' 0/--4 '9((' (7. 6.((.- (7. ,-.0.,(* '+ (7. .-1'3 '3 (7. '93(3 (7. 1)*('+ /*'0.(4 ,.3.(-/(.) & (7 3) ;)9/6*1 /3) ./*4 :' 3:*.3*9/6 (4 *..1.) /7',> 6.** /((.1,(N 7./*, -/('3 /+(.- 7-*(/3 ,.-+.0('3 0'96) 2. */(*+.) '364 24 /& (7)-/&/6 +-'1 (7. 0'3(/1 3/('3 '+ (7. &'-6) /3) / 0'1,6.(. -.3930 /('3 '+ (7.)9(.* '+

' TN'$ 'W' D P? /?N)@)D D' FP?@DC)E /?N)@) YQ) @?@ OD X @D@'Z

$ 1'H'C)L FDP?DU) Q ')@@)C

', QC?@') 5 == '

'& D?@' L' 0, 6 0,0 'H' N CD)K F C 5)D DU) QD RQ 'EDC P@) QC ??@)QF DC' N? Q@C' M?N?C)L FDPQC D' E?F? QN'LQF ? 'C?FDK) 'FQED@C KD) ?

8)N)C? E LD D' \ )L D' ND @)D' DLLFDC)D' DO C??OQN' D' D ? O ? @QC' M C)@QC ', C')'??NND@' ?@' M C' 0' ? ' 5)D DU) QC' D)E' MD' D FDL ?@C' ?@' MD' L?@ F L' ? ' MD' O)O)F CD) ' @' B_' @', N N ' 1) L' A_' W' G

' ' 5)QF@' -?F' (, ' U' WW' WGB' L ' /D@)@' ' - .'O' BA_

G[* 6) ' *) & (* + ' G / ' ? & ' % # 700 ;'

0 (O.3$63 S$' 7 *' *, - (' 7//' 24' *' 1 .' 1 ') . 1' 7 *('- /3*2 . . 3'
)' -.%%5T3* 26.' +'-' (7.' -.* :3/('3' '+' (7.') .+.30.' '+' (7.'
1 , -.' 6 '' 2/-2/- /3' 1 .-0.3/- .*' +'-' (7.') .0/4' '+' 3) 9*(-4' /3)'
& . /6(7' +')' (7.') .06 3.' '+' 6.((.-*' /3)' /-(' /3) (7.') /-83.**' '+'
/' (7' 9*/3)' 4./-* $' 3)' (7.-.' *' *' 1 .' '+' (7.' -.6 : '9*' 6 (.-/>
(9-.' '+' (7/(' , .- ')' & 7 07' : ;.*' /' 0'6'9-' (' ' , /-(' '+' (7 *'
3) 0(1.3(/' 3' (7.' ; .-4' 4./-*' & 7.3' (7.' :-./(' 3 ;/* '3*' & .-.'
) .*'6/(3:'%(7.' , -'; 30.*' '+' (7.' .*(' /3)' & 7.3' (7.' 7'*(*'
'+' 6 /) / :/+.*9*' /3)' 6/- 0' & .-.' (7-./(.3 3:' (7.' 7./-(' '+' (7.'
1 , -.' ' /96 39*' & -'(.' /' -.1/-8/26.' 6.((.-' (' ' /' *'6) .-'
& 7' ' +.6(' 7 1 *.6+') -/ & 3' (' ' (7.' 7 :7.-' 7- *(/3' 6 +. $' 3' (7 *'
., *(6.' (7.' /*0.(0') ./6' *' .5, '93) .)' & (7' /' 2-./)(7' /3)'
/2*.30.' '+' C9/6 + 0/('3' & 7 07' *7'08' /3)' /1/0.' (7.' 1 ').-3'
-./).-' 7.' .;/3:.6 0/6' 0'93*.6*' '+' , .-+.0('3' /-.' 0'3*(-9.)'
3' (7.' *(.-3.*(' /3)' 1 '*(' 930'1 , -'1 * 3:' +/*7 '3' 7- *(/3'
'2.) .30.' *' 2'6)64' -., -.*.3(.)' /*' 30'1 , /(26.' & (7' (7.')9(.*'
'+' 0 (O.3*7 , ' /3)' (7.' -.6/('3*' '+' +/1 64' 6 +.' 7.' 6 ';.' '+'
+/(7.-' '-' 1 '(7.-' '+' & +.' '-' 07 6)' (7.').* -.' +'-' -07.*' '-'
7'3'9-') .;'('3' (' ' '3.<*' 0'93(-4' /-.' /66' *'' 1 /34' 2/-- .-*' (' '
8 . . ,' (7.' *'96' +-'1' 7- *(' 7.-.' *' 3'(' /' & '-)' (' ' 3) 0/(.'
(7/(' /' 7- *(/3' 6 +.' & '-(74' '+' (7.' 3/1.' 0'96)' 2.' 1/).' 0'1>
, /(26.' & (7' (7.' , .-+'-1 /30.' '+' & '-6)64') 9(.*' 7.' - 07' /-.'
0'3) .13.)' +'-' .;.-' 3' (7.' & '-)*' '+' , -', 7.(' '-' .;/3:.6 *(N'
7.' *'6) .-' *' /' 1 .-.' *7.)).-' '+' 26' ') M') ' '1 .)' (' ' .(.-3/6'
('-1.3(N' 7.-.' *' 3'' , '** 2 6 (4' '+' *.-; 3:' 2'(7' 7- *(' /3)'
/.*/-' 7 *' & /*' (7.' & /4' 3' & 7 07' .096/-' 6 +.' & /*' -.:/-).)'
24' (7.' ; '693(/-4' .5 6.*' & 7'' +'66' & .)' ' B.-'1.' 3' (7.' 6/*('
4./-*' '+' (7.' +'9-(7' 0.3(9-4' (' ' (7.' 0'3;.3(*' /(' E.(76.7.1' '-'
& 7' ' -.(-.)' (' ' (7.' %-- /3' '-' :4, (/3').*.-(*' (7.' *6/3)*' '+' (7.'
9*0/3' ./' /3)' (7.' 7.-1 (/:.*' 3' (7.' & '')*' '+' = /96' 907' /'
1 ';.1.3(' 1 :7(' & .66' *..1' (' ' /3' '6) +/*7 '3.)' '1/3' /*' /'
-.3930 /('3' 3'(' '364' '+' 0 (O.3*7 , ' 29(' '+' /66' (7.' 7/-) & '3'
+-9 (*' '+' 0 ; 6 */('3' /3)' *'0 /6' 6 +.' +' (7 *' & /*' (7.' 7 :7.*('
+'-1' '+' 7- *(/3' 6 +.' /*' (*') .;'(..*' , -'06/ 1 .)' (' (' ' 2.' (7.' 3'
7- *(/3 (4' & /*' (7.' +'.' 3'(' '364' '+' (7.' '6)' -.6 : '3' 29(' '+'

' /D@)@' %' - ' OO' <I<' B[W' .)@PDF ?' RQ?RQD' LF)N)' ' ')D
F)' D' MQN)@D' DC' C@COD@EQD' O?Q' ?K C' E KQC' D L
N FFD')@)
' H' 5)QF@')5' UU ' 1' 1' H' N? C' N @ C D' DC
' 1' e' Á' D' ? QN' OD' O ?OK?) N' ' 1' e' G' RQ?E' C' NCFQD NQC' 0)DC) '
) ' .U D N @) ' CQ@' ?N@D)' R@' NF) D' RQ) N' M C ?' ')E' JDKD@'
DU)F) ' QD) @') @ ? D') PD@ ? ' @ @) N') @C D DNQ

(7.'*'0 /6' /3)' ,'6 (0/6' '-).-' &7 07' '1.' 7/)' : ;.3' ('' (7.' &'-6)' (' *' 7/-)64' (''2.' &'3).-.)' /(' (7/(' (7.' 1'38*' &.-' .5.0-/(.)'/6 8.'24'(7.'1'2'$/3)'24'(7.'096(;/(.)' ,/:/3'3'26. Q .(' (' &'96)'2.'/'1 *(/8.'('*9,,'*.'(7/(' 3':.3.-/6'*'0 .(4' (7.'6 3.' 2.(&..3' (7.' (&'' 0/1,*' &/*' *7/-,64')-/&3' *' /' 1/((.-' '+'+/0(' (7.-.' &/*' '3' . (7.-'*).' /'6/-:.' &/;.- 3:'06/**' 7/6+ 7./-(.)'*0.,(0/6''-'+'-1/6*(' .'83'&''3'(7.'(.*(1'34' '+' 2/3 9*N'(7/(' (7.-.' &.-.'1/34'*7/1'0'3;.-(*'('' 7-*(/3 (4' &7'*.'0'3+'-1 (4' &/*')9.' .(7.-'('' +./-'-' 1'(;.*'+' *.6+ *7' /12('3' 907' 1.3' &.-.'-./)4'('' -.(9-3' ('' (7.-' '6)' +/ (7' /*' 6 :7(64' /*' (7.4' 7/)' 0'3+'-1.)' ('' (7.' 3.&' ,'*(/*4' ('' 7./(7.3*1' 2.0/1.' *'' +-.C9.3(' (7/(' =-/(/3' /3)' 7.')'* 9*' +.6(' 2'93)'('' -.*(-/ 3' ('24'*.;.-.'6.: *6/('3 M' 7.'9,,.-'06/**' &/*' +'-' :.3.-/('3*' +/-' 1'-.' 93(.)' 24' (7.' '6)' *'0 /6' /3)' 6(.-/-4' (-/)('3' (7/3' (7.4' &.-.') ;).)' 24' -.6 : '9*' 2.6 .+' 7.-.' &.-.' +-.3)*' '+')'3 9*' 6 ; 3:' /(' (7.' 06'*.' '+' (7.' .*(.-3' 1, -.' &7''&.-.' /(' 7./-(' /*' ,/:/3' /*' 411/079*' &7'' */&' ,/:/3*1' +3/664' ,-'*0-2.)N' 3' (-9(7' (7.' 63.' 2.(&..3' 7-*(/3' /3)' ,/:/3'&/*'6'3:'&/;.-3:'/3)'930.-(/3' .'+3)' /)7.-.3(*' '+' (7.' ',,'*3:'0-..)*' *).'24'*).' .;.3' 3' (7.'*/1.'+/1 64' /(' (7.'.3)' '+' (7.'+'9-(7'0.3(9-4' 5.)' 1/--/:.*'I 5, ,' , ,J'&.-.';).3(64'3'(' 930'1 1'3' 34'3.'/0C9/3(.)'& (7' (7.'6+.' '+' 'B.-'1.'& 66'-.1.12.-' /96/' (7.':-./(' '1/3'6/)4'&7''&/*' (7.'6./).-'+' (7.' /-*('0-/(0' .5')9*' (''(7.' '64' 6/0.*N' 7.':/;.'9,'/66' 7.-';/*(' &./6(7' (''1/3(/3' (7.'-.6:'9*'7'9*.*'&7 07'*7.' +'93).)'/(' E.(76.7.1 <$.-'&7'6.'*'96'&/*' /2*'-2.)' 3' (7.' *(9)4' '+' (7.' 0-,(9-.*'/3)' 3' (7.' (7'9:7(' '+' (7.'6+.' (''0'1.N' .(' /96/'&/*' 93(.)' 3' ./-64' 4'9(7' (''/' 3'26.' 3/1.)' B96 9*' '5'(9*N' &7''2'/*(.)'' +' 7*').*0.3(' +-'1' .3./*'/3)' &7''-.+9*.)' (''/2/3)'3' (7.'&'-*7,' '+' 7*' /30.*('-*' 7.-' *'3' (7.' 4'93:.-' '5'(9*' &7''/(' /34' -/(.' 3' 7*' 4'9(7' &/*' /6*'' /' *(/9307' ,/:/3' &/*' 1/--.)

G & D ?@' '5' W ' e' <' RQ?QCRQD' PD@QZ' ED DC)K FD' @?@' Q KD' ODFF Z' @?@' F)O E K@C' ?K @ Q 'Z (' /@ F' -)N) ' 3' [' " , '5 0' * 5 'DE' /D CSD' O' G_B —' "' * 'U% ' ' ' ? ' 0?ED ?T C' @? D' ?'U '_ G' /)QC?MD@' , 1 . ' O' G<W

$,O?FF @' E')5' ' I' ' GG' $ & D ?@')5' G[H ' 1' e' '"' DC C' C' VDC@D' @D' Q@QN' RQ EDN' @@N@ Q @')K' D)' F)D' DF L QN Ⅎ 1' e' AB ' 1' e' '%M D T C' ' ' K 0 'OO' AB' A_

('' /.(/$' /3'(7.-').;'9(' +- .3)' '+' ' B.-'1.' ('' ;7'1' 7.' /))-.**.)' /'6.((.-' '3' (7.' ,-', .-' .)90/('3'+'-' /' 7-*(/3' 1/).3' /.(/'7.-*.6+' &/*' (7.' '++*,-3:' '+' /'1 5.)' 1/-- /:.' .-' 1'(7.-' &/*' /' 7-*(/3' /-)' 7.-' +/(7.-' &/*' '3.' '+' (7.' 1'*(')*(3:9*7.)' 07 .+*' '+' (7.' ,/:/3' /-*('0-/04' 9266 9*' /.'3 9*' 62 39*N' 7.' /++.0('3/(.'-.6/('3*' '+'(7*'7'9*.7'6)' *..1' ('' 7/;.' 2..3'C9 (.'93) *(9-2.)' 24' (7.') ++.-.30.' '+'0-..)' /1'3:' (*' 1.12.-*' ' B.-'1.' *,./8*' '+' 6291*' 3' /' +-.3)64' ('3.' /*' /' 1'*(' 6./-3.)' /3)') *(3:9*7.)' 1/3' /3)' *8.(07.*' /' ,6./*/3(', 0(9-.' '+'(7.' '6)' 7./(7.3' ,'3(++'6*(.3 3:' ('' 7*'6((6.':-/3))/9:7(.-'* 3: 3:' 7.-' 3+/3(' 7413*'(''' 7-*(' 62 39*' 6 8.' 1/34' '+' 7*' 06/**' 3' (7/(')/4' &/*' ,6/ 364' ('6.-/3(' 3' 1/((.-*' '+' -.6 : '3F' 4.(' 7.' &/*' /' 0'66./:9.' '+' 41 1/079*' 3' (7.' ,'3(+0/6' 0'66.:.' /3)' 7.' + :9-.*' 3' (7.' ', < ,L ,' '+' /0-'29*' /*' /' :-./(' 1/*(.-' '+' (7.' /3(C9/- /3' 6'-.' '+' '6)' '1.N

3':.3.-/6' *'0.(4' (7.' 096(;/(.)' *0.,(0' '-',/:/3' /,,./-*' ('' 7/;.' '+(.3' 1/3(/3.)' /' +-.3)64' 3(1/04' .;.3' & (7' (7.' 1'*(' 930'1,-'1 * 3:' 07/1, '3*' '+' (7.' 79-07' 7.' 0'-> -.*,'3).30.' '+' ' 9:9*(3.'-.;./6*' (7.' * 3:96/-' +-..)'1' /3)' 0/3)'9-' & (7' &7 07' (7.' :-./(' -.6 : '9*' C9.*('3*' '+' (7.' (1.' &.-.').2/(.)' 2.(&..3' (7.' 096(;/(.)' 1.12.-*' '+' (7.' (&'' ,/-(.*' 1'3:' (7.'+- .3)*' '+'(7.':-./('2 *7',' &/*' '69* /39*' 2-'(7.-' '+' (7/(' /.(/'('' &7'1' &.'7/;.'%9*(' -.+.--.)M' '69> * /39*' /6(7'9:7' 7.' *' */)' ('' 7/;.' 2..3' /+(.-&/-)*' 0'3> ;.-(.)N' &/*' /(' (7 *' (1.' +' 3'(' /').0).)' ,/:/3' 6 8.' 7 *' +/(7.-' (7.' ,'3(++' /(' /34' -/(.' 6((6.')*,'*.)' ('' /00.,(' (7.' +93)/1.3(/6' (.3(*' '+'(7.' 7-*(/3'+/(7' .'*..1*' ('' 7/;.' 6 ;.)' 3' /'0-06.' &7 07').2/(.)' 3'('' '364' (7.' '6)' ,7 6'*',7 0/6' C9.*('3*'29(' (7'*.'(.3.(*' '+'(7.' 7-*(/3'0-..)' &7 07' ,-.*.3(' (7.' :-./(.*(' '2*(/06.*' ('' (7.' ./*'3' (' '3.' '+' (7.*.' :/(7.-3:*N' (7.') ++ 096(.*' '+' (7.' 1 -/096'9*' 0'30.,('3' '+' 7-*(' /3)' '+' (7.' 30/-3/('3' '+'(7.'' 13 ,-.*.3(' 96.-' '+'(7.' 3 ;.-*.' 3' /' * 3:6.' 791/3' +'-1' *92%.0(' ('' /66' (7.' 07/3:.*

' & D ?@')5' F[_' e'G
' & C' DC ?) ?@'?')' Q @DE')O ?F
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NDN?) DE' @')@' @CL O ?@'?' MD'
ND'?')FD@ @)@')@E')FD@C' (8'
' AWHH' ' L' (8' ' BI_<'
#M LM' L?@) @C' MD' EDE L) ?@'KT' M' N'
?')' LM)ODF' ?' 1 F)'' L' 1)L ?K

', ' 'A' G<' & D ?@')5' G[_' e'G
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' ' ,QP')5' GHA' L' DD?SC' '2 '
LFUUFU
' 7) ?@' - ') . ' '_AH' bRQ? DE'
@' DDLSC' '2 'LFUU U"
' ' ,QP')5' GW<

&/3(*$/3)'61(/('3*''+'791/3(4'&.-'-/*.)' 3)''69'*/39*'3'/'6.((.-'+966''+').+.-.3(/6'/)1-/('3'+'-' 9:9*(3.<*'07/-/0(.-'/3)'6./-33:'/*8*'+'-'*'1.'6:7('3'(7.*.',9OO63:'C9.*('3*' 3'/3'(7.-'6.((.-M' /+0.6639*'&7''&/*'/'+-.3)''+'2'(7'*921(*''3'2.7/6+''+' '69*/39*'*'1.''(7.-',-'26.1*'/*('' (7.'/,,/-.3(' 30'3*(/304''+'(7.' .(4' 3' /2-':/(3:'(7.'B.&*7'6/&'&707' .'7/)' 1*.6+':;.3'/3)'(7.',''*>26(4''+'2.43:'(7.',-.0.,(*''+'(7.' .-1'3''3'(7.' '93('3'(7.':';.-31.3('''+'/')'13/3('*(/(.' 3'2'(7'*).*'(7.-.'*'/3)''-2/3(4'/3)'/3'/2*.30.''+',/-(*/3'7./('&707'*7'&'(7.'*(-.3:(7''+'(7.'/30.3('096(9-.' 3'(7.'+.-0.'03+60('+'2.6.+*' 7.'*/1.'('3.'*'03*,09'9*'3'(7.'6.((.-*2.(&..3'(7.',/:/3',76'*',7.-' '3:3/39*'/3)' 9:9*(3.N' 7.-'6.((.-*'*..1'('*7'&'(7/('(7.'(&'' 1.3'&.-.'3'(.-1*''+'+-.3)64'3(.-0'9-*.'/3)'/6(7'9:7' '3:3/39*'0/33'(':;.'/'*/(*+/0('-4'/3*&.-'('(7.'C9.*('3'Q' 7/('(7383'4'9''+'7-*('HR'/').;'9(' 1'3'(7.*1'*9,,6.)'*'1.'0'11'3' :-'93)'&(7'(7.' 7-*(/3'2*7',' &7'').6*' 3'/'*3:96/-64'.3(6.'('3.'&(7'(7.',76'*',7.-<*'63:.-3:'/3)'/:9.64'.5,-.**.)'/((/07>1.3('('/30.3('14*(0'-(.*' 9:9*(3.<*6.((.-'('' /1,/)9*'3'+/(/6*('*9,.-*((' '3*')*,6/4*'.;.3'1'-.'*(/-(63:'('6.-/30.N'.(' /1,/)9*'&/*'/').;'(..''+'(7.',/:/3'2.6.+'3'/*(-'6':4'/3)'); 3/('3' .'&/*' -.('-/3',-.+.0('3'(7.'*7'-(6;.)':';.-31.3('.*(/26*7.)'3<VA#'24'(7.''6)'*.3/('-/6',/-(4M'&(7'(((/3*'/*.1,.-'-'/3)'6/-0'/*'1/*(.-''+'(7.'+'-0.*'&707'&/*'(7.'6/*('/((.1,('+'(7.''6)',/:/3'*,-('('-.:/3'(7.'*0.,(-.3'(7.'0-06.''+'411/079*'&707'*'2.((.-'83'&3(''9*'(7/3'/34''(7.-''+'(7/('(1.'(7.-.'*'/'*(-83:'3(.-15(9-.''+',/:/3'/3)'7-*(/3'&(7'/'-.(0.3('*9,,-.**''3''+'/66)++.-.30.*''3'-.6:'9*'C9.*('3*'W'9-.69*'411/079*'&/*'(7.'07.+''+'(7.',/:/3'/-*('0-/04'(7.'1'*('::/66/3(').+.3).-''+'(7.''6)'-.6:'3'3'(*'6/*('*(-9::6.*'+'-'('6.-/('3' *'/30.*('-*'7/)'7.6)'(7.'7:7.*('+6EO.'*30.'(7.')/4*''+' '3*(/3(3.N'/3)'7.'71*.6+'7/)'/)))).)'+-.*7'69*(-.'('(7.'73'9-*''+'7*'79*.' .'&/*'-.:/-).)'/*'(7.'+3.*('-')90('''+'(7.'6(.-/-4'(-/)('3''+' '1.N'/3',1 ' ,' '&7'*.'0-('0/6%9):1.3(*&.-'3+/66 26.

' ',QP')5'GWB'
(' 1'AWW'AW ''AWB'
' 1'A B
' f?C' '_
g' ?DDSH'2 'UF'

' ,@C?@' 2 ' ' C5' U '
5 QED@ 'L''2 ' 'BWA
0'4@P QN'NF ?' D K? QN' ?@ D' FQD@ DN'
/?N) *FDLQC'DF?RQ '?Q'LDEC'D*'
%QF Q)' ',
,NK ?C')5'GH'A

(7.' :-./(.*(' '-/('-' '+' (7.' .3/(.' -'2/264' 6 8.' *''1/34' '+' 7 *' 06/**' +'-' /:.*' 7.' &/*' /'1*0.,(0' &7'*.' 33.-' 0-..)' &/*' /' ;/:9.' 1'3'(7.6* 3' E9(' 7.' 07.-*7.)' /' *.3(1.3(/6' '-' /' *(/(.*1/36 8.' /(((/071.3(' (''(7.' /30.3(' +'-1 ' '+'(7.' E'1/7' -.6:'3' 7.' +'-(93.*' /3)' (7.'):3(4' '+' '1.' &.-.' 3' 7 *' '.4.*' 3*.,/-/264' 6 38.)' (7' 7.-' :9/-)/3').(.*$' 7.'K' :-/3).9-' /3)' 2.3.+0.30.' '+' 7.-'0/-..-' &,-.' +'-'.;.-' /**'0 /(.)' I;$(7'(7.-.6:'3' '+'(7.' '6)' /7 ' .0 ' /3)' 0,'*' 7.-.' /-.' 3)..)' 79('+.&')-.0('-.+.-.30.*'('U-.6:'3' 3' 7 *',-;/(.' 6.((.-*' 3'3.' (''7-*(/3(4' '-'1(7.3(.-3.0 3.' &/-' '+'+/(7*M' &7 07' &/*'-/:3'/-'93)' 7 1 ' 8.' 6/9)/3'$3)' /0-'7 9*' 7.'*..1*'(2'*79('7 *' .4.*'('(7.'*,-(9/6'-.;'69('3' &7 07' 3'7 *' 06'* 3:'4./-*' &/*'*.3)3:'(7.'&'-6)' '+' .*(.-3' 9-',.' '3K/' 3.&''-2(' ''(7.';.-4'.3)' '+M(7.'6.$/6'.5*(.30.' '+' ,/:/3*1' 7.' 1/3(/3.)' (7.'*/1.' (-/3C9 6 ''6)&'-6)' ('3.' /2'9('-.6:'3' .'-.0'-)*'(7.'1..(3:*''+'(7.' /0-.)',' .:.' /3)' (7.'-.09--.30.' '+'1(7.'+.*(;/6' '+' /:3/' /(.-' $.' 1.3('3*' 3' 7 *' 6.((.-*' B(.--+43:' ,-') :.*N' *907' /*' (7.' 0'3*96' *9++.0(9*' 2.3:'(7-'&3'+-'1' 7 *' 0/-' *'1.&7/(' 3' (7.'M' 1/33.-''+'(7.'./-64'/33/6*J' 7.3'U(7.'.*(/6' -:3*',-/4.)' +'-'6./;.' (''.-.0(' /',(/$.'('' .((9*' :'-9*' -/.(.5(/(9*N' (7.'1/3'&7'' Q,,**.**.)' (7.')..,.*(' 83'&6.):.' '+' */0-.)' (7 3:*R',-'2/264' (7.'2.*(' /3)' 1'*(').;'9(',/:/3' '+' (7/(' /:.' /3)' /')./-'+-.3)' '+' 411/079*' 7.'-.*.*(.)' (7.',(' ,'*/6',/-(64'3' (7.':-'93)' '+',-',-.(4',/-(64'/*' /';'6/('3' '+' /30.3(' 9*/:.' .-*'3/664' (7.'1'*(' 8 3)64' /3)' 791/3.' '+' 1.3' 7.').1/3).)' '+' (7.',-.+.0(' (7/(' /3'.--3:' .*(/6'*7'96)' 2.' *9--.3).-.)' (''',3(+0/6' /9(7'-(4'('' 2.',93*7.)' ,' (7.' 0-9.6' '6)' E'1/3'+/*7 '3M' .'30.' '-' (& 0.' 6/1.3(*' (7.' :-'& 3:' 3.:6.0(' '+' (7.' /30.3(' &'-*7,N' /3)',-/4*' (7.':')*'(' ,/-)'3' (' /6(7'9:7' 7.' 0/33'(' 7.6,'+..6 3:*(7/(' (' *' *'1.(1.*')9.' ('' /3' 93&'-(74' *92*.-;.30.' ('M(7.'+..6 3:*' '+' (7@' '4-(' (' *..1*'/*' +' 411/079*' &/*' 30/,/26.' '+' 1/:3 3:' (7/(' (7.' '1/3' (/(.' 0'96)'.;.-'+3/664M)*'&3' (7.':')*' 3' &7'1' (7.' 1.3' '+' 7.-':-./(' /:.*' 7/)' 2.6.;.)' ' M .(' (7.' 0'--.*,'3).30.' '+' 411/079*' *7'&*' (7/(' 7.' 6;.)' '3' (.-1*' '+'+-.3)64' /3)' .;.3' /++.0('3/(.' 3(1/04' 3'(

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1'+' + +(..3' 4./-* M' 7.' 7.6)' (7.' -.('- /3',-.+.0(9-.' 3S(7.'-. :3'
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-(.' '+' (7.' /9-'2'6 9 1 ' *' & +.' /2 /' 0'3 /' /96 3/' &/*' 2 *' ,/-(3.-' 3' /66' */0-.)' (7 3:*' /3)' &/*' +/1'9*' 3' (7.' '1/3' &'-6)' +'-' 7.-' -.2<: '9*' .1 3.30.' (' *' 3'(.&'-(74' (7/(' -/.(.5(/(9*' *' /61'*(' (7.' '364' '3.' '+' 7 *' +- .3)*' ('' &7'1'(7.'-.(0.3(' 4 1 1/079*' 1.3('3*'(7.'*92%.0(' '+'-.6 : '3N' /6(7'9:7' .;.3'(7.', '9*' -/.(.5(/(9*'*..1*' ('' 7/;.'*'1.(1.*' +'-:'((.3'7 *'*/0.-)'(/6')9(.*' 3' (7.'-., '*.' '+' 7 *'0'93(-4 *./(' 3' (-9- /N' 7.3'/*' -2/3',-.+.0(' 4 1 1/079*' /33'930.)'7 *').(/(7'('(7.' 1 ,.-'-$'7.').*0- 2.)' -/.(.5(/(9*'& (7'(7.'/**.3(' '+'(7.'&7'6.',.',6.'/*'/'1').6'+'/66',-;(/.'/3)',926 0';-(9.

3'(7.-' 3/1.' /1'3:' (7.' ,/:/3' +- .3)*' '+' 4 1 1/079*').*.-;.*' *,.0 /6' 1.3('3' - 9*' 0'1/079*' 6/; /39*'/ 1.12.-' '+'(7.':-./(' 3 0 /3'7'9*.N' &/*' *'3' '+'/' 1/3'&7' /+(.-'6'3:' '2*09-(4'-'*.'('',-'1 3.30.' 3'(7.',/:/3'-./0('3' '+' B96 /3' 6/; /39*'&/*'/'4'93:'1/3'+'(&.3(4 *.;.3'&7.3' B96 /3'0/1.'('(7.'(7-'3.'/3)'/6'3:'& (7' .39*(9*'7 *'+/(7.-N' /3)'7 *'0'9* 3' 4 1 1/079*' '2(/ 3.)'/',-'; 30 /6':';.-3'-*7 ,' '-'(&.6;.'4./-*' '+'(7.'-. :3' '+' /6.3(3 /3' ' 6/; /39*'&/*' 3' -.(-.1.3(F 29(' 3' (7.'-. :3' '+' =-/(/3'7.'/6'3:'& (7' 4 1 1/079*' *7/-.)' 3' (7.'.5(-/'-) 3/-4' /*0.3).304' &7 07'(7.' 0 -06.' '+' 9*'3 9*'.3%'4.)'+'-'*'1.'4./-*' 6/; /39*'-.0. ;.)' (7.' ;0/-/(.' '+' +- 0/' .*,.- 9*' (7.' ,'.(<*' *'3' 2. 3:' ,-'0'3*96' '+' (7.' ,-'; 30.' /(' (7.' */1.' (1.' +(.-' (7. 1/33.-' '+' (7.' ,/:/3' '-' 3) ++.-.3(' :';.-3'-*' '+' (7.' /:.J' 6/; /39*' *7'&.)' 3)96:.30.'('' (7.' 7.-.(0*' '+' 7 *')*(-0(N' /3)' 309--.)' /' -.298.' +-'1' (7.' '-(7')'5' 1 ,.-'-' 3' (7.' -.:3' '+' 7.')'* 9*' 7.' -.:/3.)' (7.' +/;'9-' '+' (7.' '9-(' /3)'&/*' 1/).' ,-.+.0(' '+' (/64' 3'?"?' 7 *' (&'' *'3*' /6*'' 2. 3:' .6.;/(.0 '('' :';.-3'-*7 ,*' '+',-'; 30.*' +(.-'/'2- .+' 3(.-;/6' 7.' '30.' 1'-.'-'*.'('B/;'9-' /3)' 7.6)' (7.' ,-.+.0(9-.' 3' ?#! N

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' ', QP')5'H_'e' H' ?')' 8?@) C' K CM?O' EDCL KDC' 9F))@QC')C' \ O) C' DC)D' M?N ?^' ' (' * ' U 'B' A')EE DCCDE' ?' 9F))@QC' @' H__'? ED @P' M N' ?' CQOO DCC' ,@)K)O CN')@E' U ' <' ' W_H' ?' &DCOD QC' @' #M LM' MD' L?@ @Q)@LD' ? ' MD D L)F #? CM O' C') KQ DE' ?' \'E CC NQF) ?' YQE ' LQN ^' 7Q ' MD' E) D' ? ' MD' F)#' C' E?QK QF' O ' J?ED ?T C' @? D)')@E' DDLS C' '2 ' LU
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E9(' 7 H' 0/-. .-'&/*')-/& 3:' ('' /') */*(('9*'06'*.' 6(7'9:7' 7.' & .6).)' *907' ,'&.-' 93).-' (7.' 1 , .-'-'&7''+ 3/664' ,-'*0- 2.)' (7.' 7./(7.3' - (9/6' 6/; /39*'&/*' /3' '2*(3/(.' -./0('3/-4' 3' '-.6 : '3' .'2.0/1.'(7.'7./-(' /3)' *'96' '+' (7.' 2- .+' ,/:/3' -.*('-/('3' Y1).-' 9:.3 9*' .' '2(/ 3.)' (7.' -':('-/(23' '+' (7.' /6(/-' '+' 0('-4' (''(7.' .3/(. 7'9*. ' /3)' '+'(7. -'.3)'&> 1.3(*' ('' (7.' */0-.)' 0'66.:.*' E4' 6/; *7' 7'*, (/6(4' /3)' ,-'1 *.*' '+' '++0 /6' /);/30.1.3(7.' (.1,(.)' &./8 83..)' '-' 3) ++.-.3(' 7-*(/3*' (''). *.-(' (7.' 0/9*.' '+' 7.')'* 9*' /3)' (7.' 79-07' 66' (7.' /-(*' '+' /30 .3(') ; 3/('3' &.-.' 2-'9:7(' 3('' ,6/4' 24' (7.' :-./(.*(' 6 ; 3:' 1/*(.-' '+' (7.' *0 .30. N' 3)' /' ,-',7.(0' ;.-*.' &/*' -.0/66.)' '-' 3;.3(.)' &7 07'+'-.*7/)'&.)' (7.' .3)' '+'(7.' 7-*(/3'*9,.-*(('3'(7-..' 793)-.)' /3)' * 5(4' + ;.' 4./-*' /+(.-' (7.' /** '3$' 7.' -.08'3 3:' *..1.)' (''(/664' .5/0(64' & (7' (7.' 0-* *' '+' .;.3(*' E9(' (7.' :')*' ,-';.)' +/6*.' (''(7. -' +/ (7+96' 07/1, '3F' (7.' 669* '3*' '+' (7.' ,/*(' '364' 6.)' 6/; /39*' /3)' 7 *' ,/-(4' (''(7. -')''1' 1)' (7.' (.1,.*(' &7 07' -/:.)' ';.-' (7.' 2/((6.' '3' (7.' - :)9*' /3)' :/;.' (7.' ; 0('-4' ('' 7.')'* 9*' 6/; /39*' !0 ' ! :0 - ') .)' 24' 7 *' '&3' 7/3)' .' 7/)' *(/8.)' /66' '3' (7.' *900.**' '+'(7.' ,/:/3' 0/9*.' /3)'6'*(' .('*(-/3:.'('*/4'7 *' 1.1'-4'&/*' -.*,.0(.)' /3)' .;.3' 7'3'9-.)' 24' (7.' ; 0('-*' *' 0'3+ *0/(.)' .*(/(.*' &.-.'/+(.-&/-)*' -.*('-.)' (''7 *' *'3*N' 7.' 1,.-'-' 3' /' 1.**/:.' (''(7.' .3/(.').,6'-.)' (7.' 6'**' (''(7.' (/(.' /3)' (''7 1*.6+' ./-64'+'-(4' 4./-*' /+(.-' (7.' 2/((6.' '3' (7.' - :)9*' (7.' 1,.-'-*' /6.3(3 /3' /3)' 7.')'* 9*'))' %9*(0.' (''(7.' ; -(9.*' /3)') *(30('3' '+ 6/; /39*' 3' /' 1'39 1.3(' &7 07' *' *(66' .5(/3(N' ' 1/*(.-' '+' /9:9-/6' 6'-.' /' 6./-3.)' 7 *('- /3' /3)' /' ,7 6'*',7.-' 7.' &/*' '3.' '+' (7/(' 2/3)' &7' ' &7.3' ,/:/3 *1' /3)' 6.((.-*' &.-.' ,.- *7 3:' 93 (.)' 3' /' * 3:6.' 6';.' +0$7.' 6 (.-/(9-.' /3)' (7.' -.6 : '3' '+' (7.' ,/*(<$

.;.-/6' '+' (7.' :-./(' =.-1/3' 07 .+*' &7'' & .6).)' *907' ,'&.-' 3' (7/(' /:.' &.-.' /1'3:' (7.' 1'*(' 3(1/(.' +- .3)*' '+' 4 1 1/079*' +' (7.*.' *'1.' 2'6)64' /)7.-.)' (''(7.' -.6 : '9*' ,-/0(0.*' '+' (7. -' /30.*('-*' & (7'9(' /34' 7 3)-/30.' (''(7. -

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/);/30.1.3(' (7.-*' 0'3+'-1.)' ('' (7.' 79-07' & (7' 1'-.' '-' 6.**' 3(.3* (4' '+'+/ (7' (7' (07''(7.'/9('0-/(' '+'(7.'./-64' 4./-*' '+' '3'-9*' 411/079*' &/*' 3/(9-/664' '3' (7.' 1'*(' +-.3)64' +''(3:' .'0/3' &.66' 7.6.;W (7/(' (7.-.' &'96)' 2.' *(-'3:'2'3)*' '+'*41,/(74'2.(&..3' (7.'07 .+' '+' (7.',/-(4' &7'' 06/1.)' ('6.-/('3'+'-',/:/3*1'/3)' (7.'*(/(.*1/3' &7''*(-';.' ('' +3)' /' 0 '!!. '2.(&..3' '1/3'/3)'='(7' /(7'60' /3)' /:/3'/3)'&7'' 309--.)'(7.'/3/(7.1/*' '+' (7.'2:'(*' '+' 2'(7',/-(.*''+' 9(9*' /1/(/39*'$/3)''+' -'*9*N' 07'1.-' /3'(7.-'+-.3)' '+' 411/079*'/' -/38' 07.+' '+' (7.'7:7.*(' 07/-/0(.-' &7'' 3.;.-' /2/3)'3.)' 7*' /30.*(-/6' +/(7N' *' /' -.1/-8/26.'.5/1,6.' '+' (7.'-.6:'9*' 0'3+9*'3' '+' (7.'(1.' .'&/*'3' (.-1*' '+' (7.'1'*(' +-.3)64' 07/-/0(.-' &(7' 2/39*' (7./*(' '+' (7.' .66.3*(*'/3)' 4.(' 7.'-'*.'('' 2.' 0'3*96' /3)' 1/:*(.-' 1 6(91' 93).-' /',-30.' .3:/:.)' 3' .5(-,/(3:' 7./(7.3*1 M' .' &/*' /',.-*'3/6' +-.3)' '+' -2':/*(.*' /3)' 9:.39*'(7.'07 .+*' '+'(7.',/:/3'-./0('3' '+'?#VF' 4.('7.'&/*').*:3/(.)'('' 0'11/3)'(7.'0/;/6-4''+' 7.')'*9*' /:/3*(' (7.1' &7.3' 7.' &/*' ';.-(/8.3' 24').(7N' 3'(7.-' -/38' E/9('' &7/(.;.-'7*' '&3'-.6:'3' 1/4'7/;.'2..3N' (''8'0/-.' ('' 7/;.' 7*')/9:7(.-'(7.'+9(9-.' 1,-.**' 9)'5/'2-'9:7(' 9,'/')./;'9(' /(7'60

1'3:'(7.'0'--.*,'3).3(*''+' 411/079*'(7.-./-.' 7-*(/3*' '+' 1/34'*7/).*''+' 0'3;0('3'+-'1'(7.':-./(' E*7',''+' 6/3' (''(7.'(-11.-*' &7'' &.-.' -./)4'('' /0C9.*0.' 3'/',/:/3' -.*('-/('3' 93).-' (7.'*7/)'&4'/9(7'-(4''+' ((/69*' 7.' 12-'*9*''+'(7.'6.((.-*''+' 411/079*'*'/61'*(' 0.-(/364' (7.'669*(-'9*'*/3(' /3)',/*('-'&7''24'(7.'+'-0.''+':.39*'/3)' 07/-/0(.-'& .6).)'/':-./(.-',&.-'(7/3'/34''(7.-'1/3'3'(7.' 6/*(*(-9::6.''+',/:/3*1'& (7'(7.' 7-*(/3' 1,-.$' 7.'1/3' &7'' 0'3+-'3(.)'+./-6.**64'(7.' -/3*1''+'B9*(3/N'/3)'&7'' +'-0.)' 7.')'*9*' (''),'',3/30.'+'%' (7.'1/**/0-.''+' 7.'*' */6'30/N'(7-.&' (7.'&7'6.'.3.-:4''+'/',&.-+96'3/(9-.'3('

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' 5)QF@' ! ,' ' ' 1'?' 'B GA
$1'L' 'e'A '

(7.' 0'3+6 0(' *'' 6'3:' &/;.- 3:' /3)')'92(+96' &7 07' :/;.' (7.' + 3/6' ; 0('-4' ('' (7.' 79-07' 2.+'-.' 7.') .)' 7.3' 41' 1/079*' /*').,9(4' '+' (7.' ?.3/(.' /,,./6.)' ('' (7.' 1,.-'-' ('' -.*('-.' ('' (7. -' 7'9*.' '+' /**.1264' (7.' /6(/-' '+' 0('-4' (7.' 1'*(' ;.3.-/26.' *412'6' '+' (7.' ,/:/3' 1, -.' ' 12-'*.' -.* *(.)' (7.' ,-',*/6' & (7' /66' (7.' /-(*' '+' /' -7.('- 0' (-/ 3.)' 6 8.' (7/(' '+' 7 *' ',,'3.3(' 3' (7.' /30 .3(' *07''6* $' 7.' (&'' 3/.3' &.-.' (7.' 07'*.3' 07/1, '3*' '+' (7.' ',,'* 3:' 7'*(*' /3)' (7.4' +'9:7(' & (7' /3' .C9/6' .3.-:4' '+' *.3(1.3(' '-' 0'3; 0('3' E9(' /6(7'9:7' (7.4' &.-.' *'' *7/-,64' ',,'*.)' 3' 1/((.-*' '+' -.6 : '3' (7.4' &.-.' 0'33.0(.)' 2'(7' 24' 26'')' /3)' 096(9-.' 411/079*' &-(.*' ('' (7.' 2*7',' 3' (7.' ('3.' '+' /3' /**9-.)' /3)' 93-9++6.)' +- .3)*7 ,M' 3' '3.' 6.((.-' 7.' .;.3' 06/ 1*' 7 *' :'')' '++0.*' '3' 2.7/6+' '+' /' 1/3' &7'' 7/)' *.-;.)' 93).-' (7.' 9*9-,/('3' '+' 9:.3 9*' ' 12-'*.' '3' 7 *' *).' *,./8*' '+' 411/079*' 3' /'('3.' '+'-.*,.0(' +'-' (7.' * 30.-(4' '+' 7 *' ,/:/3' 0./6' /3)' /)1 -/('3' +'-' (7.' *8 66' '+' 7 *' -7.('-0N

7.-.' /-.' '3.' '-' (&'' '(7.-').0).)' 7-*(/3*' 3' (7.' 6 *(' *907' /*' (7/(' 30.3(9*' &7'' &7.3' ,-.+.0(' '+' =/96' *(-';.' ('' 096(;/(.' (7.' +- .3)*7 ,' '+' ' /-(3$' E9(' 1'*(' '+' (7.' '(7.-' *' 0/66.)' 7-*(/3' +- .3)*' '+' 411/079*' 7/)' 6((6.' 3' 0'11'3' &(7' (7.' .3(79* /*1' '+' ' 12-'*.' '1.' '+' (7.1' 2.6'3:.)' ('' (7/(' 6/-:.' 06/**' '+' &/;.-.-*' /3)' *0.,(0*' ('' &7'1' /' -.6 : '9*' ,-'+.** '3' &/*' '364' /' 1./3*' '+' */+.(4' '-' '+' /12('3' 7.' 1'*(')*(3:9*7.)' +- .3)' '+' 411/079*' 3' (7.' 7 :7' '++0 /6' &'-6)' &/*' .5(9*' .(-'3 9*' %,29*' .*0.3).)' +-'1' /' 6'3:' 6 3.' '+' 0'3*96*N' -'29*' &/*' -.:/-).)' /*' (7.' :-./(.*(' :6'-4' '+' (7.' 3 0 /3' 7'9*.N' -'0'3*96' '+' +- 0/' 3' 7 *' (&.3(4 *.0'3)' 4./-' 7.' 7.6)' (7.' -.('- /3' ,-.+.0(9-.' +'9-' (1.*' 3' '3.' 0/*.' +'-' /' (.-1' '+' .:7(' 4./-*' /3)' &/*' 0'66./:9.' '+' (7.' 1,.-'-' 3' (7.' 0'3*96*7 ,' '+' ? ! ' *' -/38' /3)' ;-(9.*' /-.' 0'11.1'-/(.)' 3' 1/34' 3*0-,('3*' /3)' 3' /' ,'.1' '+' 9*'39*' /))-.**.)' ('' -'29*' $' &7.3' 7.' &.6).)' /(' -191' /',' &.-' *.0'3)' '364' ('' (7/(' '+' (7.' 1,.-'-' *' & +.' /3)' 7 *' *'3*' &.-.').;'(.)' 7-*(/3*FN' 7 *' :-/3)))/9:7(.-

G 5)QF @' ,'' 'L' 'e' AB' '
T@ '' . ' W
' TN')5' 'WW' W
' ,NK ?C')5' B_' A' Q@L QC' D)' FFC' O) KQC' CQ C' O ?' C QE ?' D' LQF Q' CQ?
' QFO' D' 7 , ' 'A<' B

\' DDLS C' '2 ' UL' ' (8' 3
G_<A' G_<W' G_<B
' & D ?@')5' GW[' e' W
' (8' ' G_<G B' ,QC?@')5'
' L ',@ N' 1) L' UU ' GG' G
' 5 QED@' L' '2 ' B<G' & D ?@'
)5' GW[' e' W

.1.(-/*' (''8' (7.' ;'&' '+' ;-:3(4' .(' -'29*' 7 1*.6+' &/*' 2364' 2/,(0.)' '3' 2 *')./(72.)$' 3)' 11/39*' /-' 0.66 39*' 1'-.' (7/3' 2 3(*' (7/('6';.' '+' &./6(7' /3)' ,'&.-' &/*' 2 *' *(-'3:.*(' ,/** '3$' /.06/39*' &7'' 2'-.' /' :-./(' ,/-(' 3' (7.' 3.:'(/('3*' &(7' 6/-0' &/*' /':-./(' +-.3)' '+' ' 9:9*> (3.'/*' &.66' /*' '+' 411/079*N' E9('7.'/,,./-*' ('' 7/;.' 2..3' /'-/(7.-'698.&/-1' 7-*(/3F' +'-' (7.' */3(' -.1'3*(-/(.*' &(7' 7 1'+'-' 2. 3:'0'3(.3(' /(' 7 *' /:.' (''-.1/3'/'0/(.0791.3

3'/'6'&.-'6.;.6'(7/3' -'29*'/3)' /.06/39*'/-.'(&''1.3' /1'3:' (7.' +/16/-' +-.3)*' '+' T 31/079*' &7'' 7/)' /3' .,7.1.-/6') *(30('3' 3'(7.'4./-*' '+' 6/-0<*' 3;/*'3' 7.-' /((9).' (''-.6:'3'-.,-.*.3(*' (7/(' '+' 1/34' '+' (7.-' 0'3(.1> ,'-/-.*' 7.'B';9*' '+'(7.'6.((.-*' '+' 411/079*' *',-'2/264' (7.' 2.6.;.-' 3' 07/30.' /3)' (7.' *9,.-*(('3*' '+' /*(-'6':4' &7'1' ' /96 39*' 6/2'9-.)' (''0'3;.-(' +-'1'7 *'.--'-*M' .(' 7.' 2.:/3' 7 *' ,926 0' 0/-..-' 24' ';.-(9-3 3:' (7.' (.1,6.*' '+' 7./(7.3*1' /(' /-(7/:.N' .' *' ,-/*.)' 24' 411/079*' +'-' 7 *' 7:7',-30 ,6.' /3)' ;-(9.FN' 29(' (7.' /00'93(' &707' (7.' 7 *('-/3' :;.*' '+' 7 *' 0/-..-' *..1*' (''0'3;0(' 7 1' .(7.-' '+' +086.3.**' '-'(-./07.-4' .'&/*' /',-*'3/6' +-.3)' '+' 6/-0' /3)''3'(7.'+/66'+' 641,9*'(7.'6./).-'+'(7.' /(7'6 0'-./0('3' B';9*' *900..).)' 7 1<$/3)' -.*91.)' (7.' ('6.-/3(' -.6:'9*' ,'6 04'+' (607'/6'3:'&(7' /3' /((.1,(''0'30 6/(.' B/-0' 24'0'30.)3:'*'1.'+'7 *')./3)*' /;3:'+/6.)'('' '2(/3'(7.' 1,.-'-<*' /**.3(' (''7 *';.&*'7.'*9)).364' (''8'9,'/3' /((9).' '+').(.-13.)' 7'*(6(4' (''(7.'='(7 0' 07.+N' .(' &(7 3' /';.-4'*7'-(' (1.'&.'+3)' B';9*' 3'(7.'++0.'+' -.('-/3',-.+.0(' 93).-' ((/3*N'(7.',9,,.(' .1,.-'-'&7'1' 6/-0'7/)'*.(' 9,' 3'(7.'2-./07'2.(&..3' ((/3*' /3)'7 *' ,/(-'3'B';9*').*.-(.)' ((/3*'/*'7.'7/)').*.-(.)' '3'-9*N' 7.'2.6.;.-'3'1.-.'07/30.'/*'(7.'-963:'+'-0.' 3'(7.'93;.-*.' *..1*''3'(7.'1'-.'07/-(/26.'74,'(7.**'(''7/;.'/66'&.)'7 *' '&3'6+.'(''2.':';.-3.)'24'(' 7.-.' *''364'/'+/3(':6 1> 1.-3:'+'/34'7:7.',-30,6.'3'7 *'0/-..-'&7.3'00/*'3/664' 7.'*7'&.)'/'0.-(/3'+/(7' 3'(7.'='(7 0',&.-

'(8' G_<B' CD@?' E?@)QC' $TN')5' 'W['' '<I
NQ@D D' M C
'fPC' 'B'
',NN'6)D'UUU'<' _ H T' I'' ?]?N'U'_
',QP')5'G<G'e'G 'fPC' 'H
''5)QF@'-?F')5'U
$,QP' '(!'4 'U 'B

3'(7.-' :-./(' + :9-.' 3' (7.' .;.3(*' '+' (7'*.' ,9006 3:' 4./-*' L&/*' - *09*' (((/ 3* $' .' L&/*' '+' * /(0' '- : 3' *'+/(7.-' 7/)' /' :-./(' 6 (.-/-4' -.,9(/('3' &/*' (7.'+- .3)'/3)'0'--.*,'3).3(' '+' 2/3 9*' /3)' -'*.' ('' 7 :7' '++ 0. $' ((/69*' ,'**.**.)' (7.' *9,.-+ 0 /6' 6 (.-/-4' /3)' -7.('- 0/6' /-(*' &7 07' &.-.' (7.3' 3' ;' :9.F 7.'0'96)').6 ;.-' .6/2'-/(.' '-/('3*' &- (.',-.((4';.-*.*N' /3)' /00'1,/34' (7.1' '3' (7.'64-.' *' ('' -.6 : '3' 2.' &/*' /' I .66.3 *(' L& (7 3'' +/ (7' . (7.-' 3' (7.' '6)' *4*(.1' '-' (7.' 3.&' 29(' & (7' /' *.3(1.3(/6' /((/071.3(' (' (7.' ,/*($' .(' 7 *' 2-66 /3(' /00'1,6 *71.3(*' :/;.' 7 1' /' +'-.1'*(' ,6/0.' 3' (7.' *.3/('- /6' -/38*' /3)' &7.3' (7.' 0 (4' &/*' 7/-)' ,-.**.)' 24' 6/- 0' 7.' &/*' '3.' '+' (7.'.3;'4*' 07'*.3' (' 6/4' 2.+'-.' (7.' 1,.-'-' /(' /;.33/' (7.' 1 *.-.*' '+' (7.' 0/,(/6N' 7.' 1 ** '3' +/ 6.)F 29(' ((/69*' /00.,(.)' (7.' '++ 0.' '+' 0'93(' '+' (7.' */0-.)' 6/-:.**.*N' /3)' *7'-(64' /+(.-&/-)*' (7/(' '+' ,-.+.0(' '+' (7.' 0 (4' 7.3' 6/-0' *'' 6'3:' 1'08.)' 24' (7.' 1 3:6.)' &./83.**' ,.-+)4' /3)' 3*'6.30.' '+' (7.' 0'9-(' /(' /;.33/' *.0.)' (7.' 1/:/O 3.*' /(' *(/' /3)' '-).-.)' (7.' .3/(.' /*' (7.',-0.' '+' (7.-' */+.(4' (').,'*.' '3'-9*' /3)' .6.0(' /' 3.&'07 .+' '+' (7.' (/(.' (7.-' 07'0.' +.66' '3' (((/ 3* $' 3)' *9-.64' (7.-.' &/*' 3.;.-' /' 1'-.' 09-'9*' *,.0(/06.' (7/3' &7.3' (7.' *0.,(0/6' .6> 6.3 *(' -.0. ;.)' 2/,(*1' /(' (7.' 7/3)*' '+' /3' -/3' 2*7',N' (' ,6./*.' 7*' ='(7 0' 1/*(.-*' &7 6.' 7.' :/;.' 7*' */30('3' (' -./0('3/-4')-./1.-*' 6 8.' /1,/)9*' /3)' .-(9 9*' &7' -.;;.)' +'-' /' 1'1.3(' (7.' /-(*' '+');3/('3' /3)' (7.' ,/:/3' 0.-.1'3 .*' '+' (7.' '6)' .,9260

7.*.' 1.3' '+' *907';/-'9*' *7/).*' '+' .3(79* /*1'' -' 3) ++.-> .30.' /,,./-' (' 7/;.' 6;.)' (':.(7.-' 3' ,.-+.0(' /1 (4' 7.' 9-2/3.' *.3/('-' 3' &7'*.' +-.3)*7 ,' (7.4' /-.' 93(.)' +'-' (7.' *(9)4' '+' (7.' 7 *('- /3' *..1*' (' 7/;.' +'93)' 3'' 1'-.') ++ 096(4' 3' 7 *' -.6/('3*' & (7' 12-'*.' /3)' -'29*' (7/3' & (7' 6/;/39*' '-' -/.(.5(/(9*' 7.4' &.-.' /66')9-3:' (7.'6 +.' '+' 411/079*' 93(.)' 3' (7.' *.-;0.' '+' (7.' (/(.' -'3'930.)' ,/:/3*' 7.6)' (7.' ,-.+.0(9-.' '-' (7.' 0'3*96*7 ,' 93).-' 7.')'*9*' /3)' '3'-9*' /3)' &.-.' .;.3' (7.-' (-9*(.)' 0'93*.66'-*N' (' &/*

' 9?' MD')Q M? DC')C' ?' M' L) DD' CDD' DDLS C' '2 ,. ' LFUU
$,NN' 1) L' UU ' ' W
$ OFTNO ?E' / , ' A '
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$ ' 7' ')@E' <
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$ TNN)LFNC' #)C' L?@CQF' @' WIG' '
9F))QQC' #)C' O D DL' ?')FT' @' WIG' '
M C' C?@' #)C' O ?L?@CQF' ?' ,C)' @' WHW

3'(' (66' V!@' (7/(' (7.4' &.-.' +'-1/664' .5069).)' +-'1' '++0.$' /34' '+' (7.*.' ,/:/3' '++0/6*' 7/)' +'-' 4./-*' 3' (7. -' 7/3)*' (7.' .3+'-0.1.3(' '+' 6/&*' /:/3*(' *9,.-*(('3*' '-' 7.-.*.*' & (7' &7 07' (7.4' (7.1*.6;.*' *41,/(7*.)' 3' (7.' 6'3:' (-90.' 2.(&..3' (7.' 7'*(6.' 0/1,*' (7.' ,/:/3' (7.' *0.,(0' .;.3' (7.' +'-1/6' 698.&/-1' 7-*(/3' 1/4' 7/;.' 0'1.' ('')-./1' '+' /' 19(9/6'('6.-/('3' &7 07' &'-6)' 6./;.' (7.' /30.3(' +'-1*' 93) *> (9-2.)' E9(' *907' 1.3' 6 ; 3:' 3' /' &'-6)' '+' 6(.-/-4' /3)' /3(CZ9/-/3' 669* '3*'83.&' 6((6.' '+' (7.' 33.-' +'-0.*' '+' (7.' 3.&' 7-*(/3' 1';.1.3(' 7.' 07.+*' '+' (7.' 79-07' &.-.' '+' /' ;.-4') ++.-.3(' 1'96)' +-'1' (7.' 07.+*' '+' (7.' .3/(.

b/)QCLMD@' O' G H"' / LM?ND' #)C' L?@CQF' @' WH' b/)QCLMD@' O' G_A"' 1)L ?K QC')Q M?' ?' MD' ', - , ' #)C' O ?K)KFT' 5)D' 5)D' ?' O) @' @' WII' 5 ?L?C' ?' , L)' @' G[')@E' 5)DO?C QC' ' QK LQF' @' AA' N(' * 'U 'G[' G<' U 'AH' B' 'H"' 7Q' MD D' CC?ND' E?QK ' 'J?EL ?T?@U ' AH' B' @' B' V)@' 0 ', '%,.01' ' ' %DQ DF')0 ' 8 ' ' O' <W

5D D ' " . ' 8 ' ' G A' /Q FQC' -)))@QC' #)C' O D DL' ?' MD' T' @' G' IF ' ' G<_"' & C') MD ' 3)' LM)@ QC' M)E' KDD@' ?@CQF) C' %QCL)D' N1' 'B_I"

' (' * ' U ' G[' AG' RQ' O ?)@D' 5)P)@' QC' D ? D' CDQ' ? N @D' O?FFQ' Q@ Q ' @DL')E' N F)N')EN)@ Q ' @DL',EN C)? C' DF' VQE L C' M?@? D' EDL? D@ Q

%&.' 3, %' 0-93 %' 09' 5,J,- 1' 6 %&' %&.'
&/ %,-' .15/.

! ' * 5(..3(7' 2''8' '+' (7.' 7.')'* /3' ').' 0'3(/ 3*' /'*.- .*' '+' (&.3(4 + ;.' .) 0(*' /:/ 3*(' (7.' ,-/0(0.' '+' ,/:/3' - (.*' (' 2.: 3*' & (7' /' 09-(' 0' 1 1/3)' (7/(' *9,.-*(('3' *7/66' 0./*.' /3)' '(7.' 3*/3 (4' '+' */0- + 0 /6' - (.*' *7/66' 2.' /2'6 *7.) R' $ (' O6'*.*' 1'-.' (7/3' . :7(4' 4./-*' /+(.-&/-)*' & (7').3'930 3:' (7.' ,.3/6(4' '+').//(7' /:/ 3*(' 734' &7'' *(66' ,-.*91.' (''(/8.' ,/-(' 3' '(7.')/13/26.' ,-/0(0.*' R' *'' 6'3:' +'-2)).3' 24' (7.' (/(.N' (' *' (-9.' (7/(' 3' (7.' .) 0(' '+' V[?' (7.' 1,.-'-' *..1*' */3:9 3.' (7/(' 7./(7.3 *1' *' /61'*(' .5(30(N' /3)' 7.' *'1.&7/(' 1 (:/(.*' (7.' ,.3/6(.*' /:/ 3*(' (7'*.' Q' &7'' /-.' *(6' .3(/3:6.)' 3' (7.' /009-*.)' &'-*7 ,' '+')/.1'3*R' 7.-.' *' .;.3' /'09-'9*' 3'(.' '+' ('6.-/('3' 3' (7.' 6/&'' '+' (7.' */1.' 4./-$' &7 07' 1,'*.*' /' 7./;4' + 3.' '3' /34' ,.-*'3' '++.- 3:' ;'6.30.' (''B.&*' '-' ,/:/3*' &7'' 6 ;.)' 3' C9 .(3.**' /3)' '9(&/-)' '2.) .30.' (''(7.' 6/&' E9(' (7 *' O6.1.304' &/*' ,-'2/264' 1 *93).-*('')' 3' 0'93(-4' ,6/0.*' *'1.(1.*' & (7' (7.' 0'33 ;/30.' '+' 3) ++.-.3(' '++ 0 /6*' (7.' '6)' (.1,6.*' &.-.' *(66' +-.C9.3(.)' /3)' */0- + 0.*' &.-.' *(6' '++.-.)' 1'-.' (7/3' + +(4' 4./-*' /+(.-' (7.').//(7' '+' (7.' :-./(' 7.'>)'* 9*' 7.' + .-0.' ('3.' '+' (7.' ';.66/' '+' V?#' ,-';.*' (7/(' 6.: *6/('3' 7/)' 3'(' 4.(' + 3/664' 0'3C9.-.)' (7.' '2*(3/04' '+' '6)' *9,.-*(('3' 7.' 06'* 3:' .3/0(1.3(' 3' (7.' ').'/:/ 3*(' (7.' '2*(3/(.'/3)' 7/(.)' -.13/3(' /' (7.' 1'*(';.7.1.3(' '+' /66N' 3

' "' * ' U ' G[' A' ?DC7D' CQ' OD C ?' C)? L?QN')K?FD) Q' @' C)@)'
' 1' U ' G[' A<'
' 1' U ' G[' AA')@E' AW' O)P)@?C' RQ CQOD CQ@ RQ)@b Q)NY)N@QFF?)DCCD' L DE)NQ 'FDPQN' Y)NEQEQ)' O DCL O)' L?NODCL)Q '
' 1' U ' G[' A
' &0!' * O ' ' W' %F D' F)#' C E DL DE')P) @C' VD#C')N))@C' MD D LC')@E' O)P)@C

(7/(' *(-/3:.' -7.('-0/6' ('3.' '+' (7.' 6/(.-' ').' (7.' 3+(- /(.)'
1 , .-'-' /+(.-' -.+.-- 3:' ('' (7.' /61'*(' '*(.3(/('9*' 0'3(.1 ,(' '+'
, /:/3*' +'-' Q' (7.' (7'9*/3)' (.--'-*' '+' (7.' 6/&* R' /*8*' Q' &74' (7.'
,-3:(1.' 7/' -.* :3.)' (*' &'3(.)' 07/-1' &74' (7.' *911.-'
& (7' (*' *0/3(4' 7/-;.*(*' 1'08*' (7.' 7',.*' '+' (7.' (' 63:'
79*2/3)1/3' &74' (7.' -:'9-*' '+' & 3(.-' 7/;.' 0'3).13.)' (7.'
+-9 (+96' *' 6' ('' 2/--.33.**' HR' (' 19*(' 2.' (7.' ;.3:./30.' '+'
/(9-.' +'-' 0'3(39.)' 1 , .(4' 7.' ; '6/(.)' 1/%.*(4' '+' (7.'
./;.364' '&.-')./3).)' .5, /('3' /3)' -.;.3:.' -'2/264'
(7.'(1)').;'(..*' &7'' *(66' 0693:' (''(7.-'-9*(0' /6(/-*$+'93)'
(7.' .5,6/3/('3' '+' (7.*.' 0/6/1(.*' 3' (7.' 1 , .(4' '+' (7.'
1 , .-'-' E9(' 7.-.' *'' +/-' /*' ', .3' , /:/3'-(9/6' *' 0'30.-3.)'
(7.' 0'3+60(' & (7' (7.' 1 , -.' 06'*.*' 7.' +3/6' (-91 , 7' ';.-'
(7.')./;'('3/6' /((/071.3(*' '+' /' (7'9*/3)' 4./-*' &/*'-.*.-;.)'
+'-' (7.')/6.0(0' '-' (7.' /00'11')/(3:'/-(*' '+' (7.' 79-07
7.' *.0-.(' '+' (7.' 6'3:' 0'3+60(' *' 3'(' ('' 2.' *'9:7(' .5>
069*;.64' 3' (7.' '2*(3/04' '+' 11.1'-/6' 09*('1' /3)' (7.' 0'3>
*.-;/(*1' '+' /' -/0.' &.)).)' (''/30.3(' 9*/:.' 7.' (-9(7' *'
(7/(' 3' (7.' ,.-')' '+' (-/3*('3' (7.' 6/&*' &.-.' /)1 3*(.-.)' +'-'
(7.' 1'*(' ,/-(' 24' '++0/6*' 2.6'3:3:' (''(7.' ,/:/3' '-' &/;.-3:'
06/**' E9(' /2';.' /66' (7.' 1 , .-/6' :';.-31.3(' +'-' /' 6'3:'
(1.' &/*' '364' 7/6+7./-(.)' 3' (7.' &/-' /:/3*(' (7.' '6)' -.6:'3'
'+' (7.' (/(.' 7.' , '6 04' '+' '3*(/3(3.' /3)' 7 *' *900.**'-*'
(66' (7.' -.:3' '+' =-/(/3' &/*' 3' *, (.' '+' /, , ./-/30.*' '3.' '+'
, -/0(0/6' ('6.-/('3' (''(7.' 6.:(1/(.' , -/0(0.' '+' , /:/3' &'-*7 ,'
7' (7.' .*($' (' *'(-9.' (7/(' '3*(/3(3*' /6.3(3/' ' /3)'
/6.3*' 1/).' (7.' , -/0(0.' '+' (7.' /-(*' '+') ;3/('3' /*(-'6':4%/3)'
1/:0' /' , '6(0/60-1.N' /3)' *(-';.' (''-., -.**' (7.1' & (7' /'-9(7>
6.**').(.-13/('3' E9(' +-'1'?X@' (''?"!' (7.-.' *'3''6/&' 3' (7.'
')') -.0(.)' /:/3*(' , 926 0' 7./(7.3' -(.*' 3' (7.' 3(.-;/6'
(7.4' &.-.' .(7.-' /9(7'-*.)' '-' 0'33 ;.)' /(' 411/079*' /3)'
7 *' 0'66./:9.*' *(66' 7'6)' (7.' 1 .(3:*' '+' (7.' , '3(+0/6' 0'66.:.F'
(7.' +./*(*' '+' /:3/' /(.-' /-.' *(66' 0.6.2-/(.)F' (7.' .*(/6*'
*(66' :9/-)' (7.' .(.-3/6' +-.' ;.3' =-/(/3'))' 3'(' .5, -.**64'
/2'6*7' (7.' 7./(7.3' &'-*7 , ' /6(7'9:7' '3' 7 *' /00.** '3' +'-'

' ' 7?)CD' 8,'/ ' -'/, ' ' $%MD' D')' ,' L? ? D)T')C' ?' MD'
VWO'A_G'AIB' '/)QCLMD@' ')'# D L,D' .' F)#C' KD #DD@'W G')@E' W<B' @ D E L @P'
(' B . ' - ' ' B' * .0' O)P)@' #? CM O' %MD' N?C' O ?K)KFD'
O' GA_' E D' 0O D' E)PLPD@')QLM' E D' L?@LFQC ?@' CDDNC' ?' KD' M) ' ' MDT'
KFQ PD@' KF ?KD@' N' 6DC D ?MD' K C' #D D' CCQDE' MDT' #D D' @?' P? ?QCFT'
]QN' JDCD]' EDC' %MD?E?C QC' ?N' A' D@ ? LDE' 8Q QT' 'AI_'' L' 1)Q T'
9DK' WIG' D F)QK ' (' * 'U ' G[' G[' 8,'%, .' OO' GG[GG

(7.' + -*(' (1.' 7.').06 3.)' ('' /00.,(' (7.' ,'3(+ 0/6' -'2.*' /3)'
& (7)-.&'+-'1'(7.'*/0-.)'0'66.:.*'(7. -'.*(/(.*'/3)'.3)'&1.3(*$'
'1'(' *.-'9*'/**/96(''3' (7.''6)'-.6:'3'&/*' (7.'-.1';/6'
'+' (7.'*(/(9.'/3)'/6(/-''+' 0('-4'+-'1' (7.' .3/(.7'9*.$'
7.' +:9-.''+' 0('-4''-:3/664' 2-'9:7(' +-'1' /-.3(91'
&/*' -.:/-).)' /*' (7.'*/0-.)'*?1 2'6' '+' '1/3':-./(3.**'
-'1' (7.')/4*''+' 9:9*(9*' (' 7/)'*('')''';.-' (7.'/6(/-'/('
&7 07' (&.6;.':.3.-/('3*''+'*.3/('-*' 7/)'*..3' (7. -'*((3:*'
',.3.)'&(7'*/0-+0.'/3)'/('&7 07'(7.4'7/)'*&'-3'/66.:/30.'
('' (7.'07 .+''+' (7.' (/(.N' 7.' .3/(.'&7 07' 0'3(/3.)'
907' /((/07.)' ,/:/3' /*' -/.(.5(/(9*' 41 1/079*'/3)'
/;/39*'/3)'&7 07'/61'*(' 0.-(/364'/(' (7*'(1.'7/)'/'
1/%'-(4''.,,'*.)'('' (7.' 33';/('3$'-.*'6;.)'('',.((''3'(7.'
1,.-'-'('-.*03)' (7.').0-..*' E9(' (7.' 7-*(/3',/-(4'
(7-'9:7' /1/*9*'/3)' 12-'*.'*900..)' 3',-.;.3(3:'(7.'
).,9(/('3'+-'1'.;.3':((3:'/3'/9).30.N' 7.'.;.3(*'&7 07'
11.)/(.64'+'66'&.)'*..1.)'/'%9):1.3('+'(7.':')*''3'(7.-'
.3.1.*' =-/(/3'&/*'*6/3'3'2/((6.'&(7' /5 19*'/3)'6.+('
3''7.-*F' /3)'/'(.--26.'+/1 3.'+.66'3'(7.',-';30.*'&7 07'
&.-.'(7.':-/3/-.*'+' (/64N' 7.',/:/3',/-(4'('' 8'+-.*7'
0'9-/:.'/3)' 3'?"V'(7.-'(&'':-./(.*('07.+*' -/.(.5(/(9*'
/3)' 41 1/079*'&.-.'-/*.)'(7.''3.'('(7.',-.+.0(9-.''+' (/64'
(7.''(7.-'('(7/('+'(7.'0(4$' -/.(.5(/(9*'*:3/6*.)'7*'(.39-.'
24''2(/3 3:'/').0-..'+'-'(7.',-.;.3('3''+' (7.'*,'6/('3''+'
(.1,6.*N'/3)'('' -.C9 -.'(7.'-.*(9('3''+'&'-8*''+'/-('&7 07'
7/)'2..3'/2*(-/0(.)' 24',-;/(.',-*'3*' 30.'1'-.'(7.'
.3/(.'+'-1/664'-.*'6;.)'('' ,.(('3'(7.' 1,.-'-'('' -.,./6'
(7.'6/&''+' =-/(/3' 3)' 411/079*'/*' (7.'7./)'+'(7.'
).,9(/('3'&/*.3(-9*(.)'&(7'(7.'(/*8''+'*(/(3:'(7.-'; .&*

' f?)' 'WB"#'f?Q'*0! ,2'bL)'
' Q K' !5N= ,2,2K!*<2' 75, .,2:J
Q2N0M5A , ,,*"'**:2, : 2' 9?'
E?QK C')K?Q' M C' C)DND@' CDD'
.)QCLMD@' , 1'.'('B'O' GA['
@'

$ T@')5'='W'L' DL?SC'2'
F 'F

$ J DP? ? QC'$0 ' ' '%
' ' B
' ' DLLS' ' ' F ' ' L ' MD'
)LL?Q@'?'MD' D@) D C'?OO?C ?@'?'
%MD?E?C QC'@'f?C NQC' '<I''')@E'?@'
MD'? MD'M)@E'MD'K?)C'?'5 QED@ QC'
L' ' ' BB&' ,NK ?C' CRJ' G_'
) NC' F)' FD' M C)@C' #D D' @')

N)Y? T' 7Q ' C?'#MT' E E' MDT'
@?'O D D@'MD')OOD)F'?'MD'.NOD?'Z
)@E'#MT' #D D' D D@'MD' M C)@'
NDNKD C'?'MD' ?@C C ? QN'@')?Q'
?'T DFE @PZ' ' ;)QCLMD@'O' GGI'
@'G[' #F?' ED)FC' @')') MD')K)T'
#)T'# M' MD' D ED@LD'?'7? CC D '
'WG<' J KK?@'L'AH' ' G
', NK ?C' B5'G' 30' N C ')E' ND'
)@L C' 8)N)CQC' ' ' FKDFFQN'RQD @'
F C)@'CD@) ? DC' EDED Q@ 'D L
$ TN' $.' W' CDLQ)' DC' K??'
)L QN')NDC' OQKF LC
' DD' F D' D D D@LDC' ?' MD' (' * ' @'
DDLS'
$ TN' $.' AG

7.' *,..07' &707' 7.' 0'1,'*.)' +'-' (7.' '00/*'3' *' *(66'
.5(/3(J'/3)' *' 3;/69/26.'/*'(7.'6/*('+'-1/6'/3)',926 0',-'(.*('
'+'(7.',-'*0-2.)'+/(7' (' *',.7.(-/(.)'/('30.'24'(7.'*,-('
'+'*0.,(0/6'('6.-/30.'/3)'(7.'*,-('+'6)' '1/3'0'3*.-;/(*1'
Q /07' 3/('3R' */4*' 411/079*' Q7/*' (*' '&3' :')*' /3)'
,.096/-'-(.*' 7.'=-./(' 4*(.-4'0/33'('2.'/,,-'/07.)'24'
'3.'/;.39./6'3.N' E9('9*.'/3)'&'3('0'93('+'-'1907' 3':;3:'
/9(7'-(4'('/'-.6:'3' ./;.'9*'(7.'*412'6' '3'&707' '9-'
'/(7*'+'/66.:/30.'7/;.'2..3'*&'-3'+'-'*''1/34':.3.-/('3*'
./;.'9*'(7.'*4*(.1'&707'7/*'*''6'3:':;.3',-'*,.-(4'('(7.'
(/(.' '-.6:'3'*7'96)'2.'%9):.)'24'(*'9(6(4'('(7.'1.3'
&7''7'6)'(' ./-*'+'+/13.'7/;.'2..3'(7.',93*71.3('+'
*/0-6.:.' 7.'(-./*9-4'*7'96)'3'('2.'-.,6.3*7.)'24'(7.'
&./6(7''+'(7.'*/0-.)'0'66.:.'*'29('24'(7.'*,'6*'+'(7.'.3.14R'
3)'(7.';.3.-/26.'+'-1''+' '1.'*'3(-')90.)'3'/',.0.'+'
,'&.-+96'-7.('-0',6./)3:'+'-'-.;.-.30.'+'-'7.-'1/34'0.3(9-.*'
'+'6+.N'+'-'6./;.'('+'66'&'7.-'11.1'-/6'09*('1*'/3)'(-/)>
('3*'/3)'(7.'+/(7'&707'7/)'8.,('(7.'=/96*'/3)' /332/6'
/('2/4' 00'-)3:'('' 12-'*.'(7.''-/('-4'+' 411/079*'
7/)'/',&.-+96'.++.0(.;.3'3'(7.' 7-*(/31.12.-*'+'(7.'
'3**('-4$' '-')'.*'(7.':-./('2*7',')*:9*.'7*' '&3'
/)1-/('3'+'-'(*'*866'/3)',&.-' E9('30.'1'-.'7*'/-(*'
/3)'.3.-:4':/3.)'/';0('-4'+'-'(7.' 79-07
.('3'*,(.''+'3(.-;/6*'+'1,.-/6')*,6./*9-.' 411/079*'
/3)'7*'83*1/3'$ 6/;/39*'0'3(39.)'('' 7'6)'7:'7' ,6/0.'
6/;/39*'&/*' -.(' /3',-.+.0('3'?#!'/3)'3'(7.'*/1.'4./-'
411/079*'-'*.'('(7.'0'3*96*7,' 30.'/:/3' 411/079*'&/*'
0'11**'3.)'24'(7.' .3/(.'('/*8'+'-'(7.'-.*('-/('3'+'(7.'
/6(/-'+' 0('-4' E9(' 7.')'*9*'&/*'(7'-'9:764'1/*(.-.)'
24'(7.','&.-+96'&66'+' 12-'*.'/3)'(7.'07.+'+'(7.',/:/3'
,/-(4'&/*'79--.)'+-'1'(7.'1,.-/6',-.*.30.'/3)'*.(')'&3'/('
(7.'793)-.)(7'16.*('3.'+-'1' 6/3N' 3'(7.-'.++'-('/3)'(7.'
6/*(' &/*'1/).'3'?#[' 7.' '3**('-4'/:/3'&'96)'7/;.'
4.6).)'29('(7.'4'93:' /6.3(3/3'*(')'+-1'/6(7'9:7'(7*'
(1.' 12-'*.'&/*'/2*.3('+-'1'(7.'+.6)

' TN'$ 'W
'4@?' @D D'@?@' O? DC' OD D@ '
)E')@'P)@ED'CDL D QN'' L ')'C N F)'
FKD)F ?@D' @' MD' FD D'?'1)U NQC'
?' ',QPQC @D' 5'GB'e'
$/?N)N' @Q@L' OQ DNQC')EC C D D

)RQ?'M C' ?KFC?QN')P? D' CD N?@ KQC'
' ' ' D D DN @')@Q?C'ND?C' ' '
',NK ?C')5' GH' A' '"1'
7, 'GI
$5?COD ' ' ' .' , .'
4 ' ' 'WH' ' ',NK ?C')5'<G

7.'6/&'&707').+3(.64',-'72(.)',/:/3'&'-*7,'3'(7.'.*('&/*',926*7.)'3'(7.'4./-''+'(7.'0'3*96*7,''+'41'1/079*$' '&3'('?#!'3'(&(7*(/3)3:'(7.').(.-13.)'/((9).''+'=-/(/3'(7.'6.:(1/(.',-/0(0.''+'(7./30.3('-(.*'3'(7.' .*(.-3',-';30.*'&/*'6((6.'3(.-+.-.)'&('E9('(7.'6/&''+'7.')'*9*'/3)'/6.3(3/3''+'-2)*'/2*'69(.64'(7.''++.-3:''+'*/0-+0.*'/3)'.;.3'(7.';*(3:''+'(.1,6.*'./;4'+3.*'/-.'1,'*.)''3':';.-3'-*'/3)''++0/6*''+'.;.-4').:-.'&7''*7/66'3+-3:.'(7.'6/&''-'0'33;./('(*'3+-3:.1.3('7.'6/&''+'?#['*'/))-.**.)'('/',-.+.0('+'(7.'/*('29(''*'.;).3(64'3(.3).)'+'-'(7.'&7'6.''1/3'&'-6)'('*''+'(7.'1'*('*&..,3:'/3)'930'1,-'1*3:'07/-/0(.-$''3.'7'&.;.-'7:764',6/0.)'3'-.*,.0('+'2-(7'+'-(93.''-''++0.'*'('',-.*91.'('')*'2.4'('7.'1'*('-;/(.'&'-*7,''+'(7.'7'9*.>7'6)':')*'24'30.3*.'6:7(*''-':/-6/3)*'*'3(.-)0(.)M'3)'.;.-4''(7.-'1').''+'7./(7.3'&'-*7,'*'+'-2)).3'3'/'6'3:'/3)'.57/9*(;.'.391.-/('3'66':';.-3'-*').+.3*'-*'/3)'09-/6*''+'0(.*'/-.'2'93)'93).-'7./;4',.3/6(.*'('*..'('(7.'2*.-;>/30.''+'(7.'6/&

.('(7.';0('-4''+'(7.'79-07'&/*'3'('*''*.09-.'/*'(7.'0'3+).3('('3.''+'6.:*6/('3'1:7('*..1'('',-'06/1'3'(7.';.-4'4./-'&7.3'(7.'+-*('+'(7.*.'6/&*&/*',926*7.)'/';'(/-4''+'(7-/'&(73'(7.'&/66*''+''1.'-.0.;.)''(7.'3.&'2-(7'('.(.-3/6'6+.'R'(7-'9:7'(7.'06./3*3:'-(.*''+'(7.'/9-'2'6 91 M';.3'1'-.'*:3+0/3('*'(7.'+/0('(7/('1/34',.-*'3*''+'-/38'/3)')':3(4'&.-.').*.-(3:'(7.'7-*('/3'+'6)''/3)'6/,*3:'3('B.&*7''-'/3 07/./3''-',/:/3'*9,.-*((''3**'7.-.'*''3''1'-.'-.1/-8/26.'07/,(.-'3'(7.''(7/3'(7/('&707').'/6*'&(7'/,'*(/*4N''3*(/3(3.'/3)''3*(/3(3*'7/)''+'93)'('3.0.**/-4'('(7-./(.3'*.;.-.',.3/6(.*'/:/3*('(7'*.'&7''+'-*''8'7-*(/3(4'('%'3'(7.'B.&*''-'/3 07/./3*N'7.'6/&''+'(7.'.6).-'7.')'*9*'3'?"!'*'(7.'+-*('3'(7.''))-.0(.)'/:/3*('(7.'(.3).304''+'3'1 3/6'7-*(/3*'('-.6/,*.

G('*'U'G[' G[
'U' G[' GA' @QFFQC' ?N@@?'
DU' RQ?F KD' PD@D D' ? E@D' M?N @QN'
E P@) QN' DF' @' O? DC ? D' O?C QC'
DF' M?@? D' OD Q@? QC' D L
' DF' DDL D ? D' O)?QF?' 3) DN' P@D'
ND D' JD@ QN' 5D@) DC' @ E? D' D@D'
) QC')LLD@E)' FQN @)')O?@)' Q)'
CD)' CQCOD@E)

'(8'' _WB')L)' OD Q'
C ?@ K@C' @')D D @Q @' C D@) QC')@ ?'
K?F QN'? ?K?F Q)RQD' DL ' %MD' @) NDC'
? ' MD' L?@CQFC') D' N)ED' ?Q ' ?' KD'
M?CD' ? 'WIG'%))QQC')@E' TNN)?MQC

\'('* 'U' '_

$ 1'U 'H'G)@E _'' ? 'U '_'
W' DD' J?ED ?T'5)) F?@

3('7./(7.3*1< E.(&..3'?"!'/3)'?#@'(7.' ').'0'3(/3*'*5'.3/0(1.3(*').3'930 3:' 3' ('3.*' '+' 30-./*3:'*.;.-(4' (7'*.'&7'' 7/;.' ,-'+/3.)' (7.-' 2/,(*1'/3)' 2.(-/4.)' (7.'+/(7' '+' 7-*('24'/'-.(9-3'('')'6/(-4'/3)'&(7)-/&3:'+-'1'(7.1'(7.'-:7(*' '+'2.C9.*('-' 37.-(/30.N' ,'*(/(.*' '+'-/38'/3)') :3(4'/-.'('2.')..:-/).)'/3)'2-/3).)'&(7',.-,.(9/6' 3+/14N'/3)'/66'7',.' '+'-.*('-/('3'24',.3(.30.'*'-.+9*.)'('(7.'-.3.:/).'7-(4'4./-*'6/(.-' /6.3(3/3' '(7'9:7(' ('3.0.**/-4'('-.,./('(7.',-.;'9*' .)0(*'/3)'.;.3'('/))'('(7.-'.1,7/**M' 7/('1.3'*7'96)'/2/3)'3'(7.'-.6:'3'+'(7.'(/(.'3'(7.'+/0.'+'*907'(-.307/3('6.:*6/('3'*'/',-''+'3'('3664'+'(7.'+'-0.'+'6)'-.6:'9*'/**'0/('3*'29('/6*''+'/'0.-(/3'0'3+>).30.'(7/('(7.'0/9*.'+',/:/3*1'&/*'3'('4.('7',.6.**' '-'&/*'(7.'0'3+).30.'/6(':.(7.-'93-./*'3/26.' 7.'1.3'&7''3'(7.'+'-.1'*(',6/0.'/3)'*(//('3'*(66'0693:''2*(3/(.64'('(7.'+/('+'(7.-'/30.*('-*'411/079*'6/;/39*''-'-/.(.5(/(9*'&.-.'2'1'3'(7.'-.:3'+''3*(/3(3*' 3'(7.-'./-64'4'9(7'(7.4'7/)'*..3'(7.' 79-07'('-3'24'+.-0.'0'3+60(*'3'&6 07'7-*(/3'07/-(4'/3)'0'11'3'791/3(4'&.-.'+'-:'((.3'3'/0'3(-';.-*4'/2'9('&7/('('(7.1'*..1.)'2/--.3';.-2/6'*92(6.(.*'7.4'7/)'*..3'(7.'2*7',*'+'-;/6'*.0(*'/3/(7.1/(*3:''3.'/3'(7.-'/3)'1.3'+'6'+(4'07/-/0(.-')-;.3'3('','.-(4'/3)''2*09-.'.56.'+'-'4./-*'&76.'(7.'16(/-4'/3)'/)13*(-/(;.'+'-0.'+'/':';.-31.3('3'1 3/664'7-*(/3'6.3('(*.6+'('*/(*+4'(7.'-/30'9-'+'(7.'6':0/6'7/(-.)' 7.4'1:7('&.66+.'6&(7'(7.'73.*('/:/3' 11/39*' /-0.66 39*N'(7/('3''*/;/:.'2./*(*'0'96)'.C9/6'(7.'0-9.6(4''+' 7-*(/3*'('3.'/3'(7.-' 3'(7.'(7.-'7/3)'(7.-''&3'-.6:'3')'&3'('?#!'7/)' 3'1/34'-.*,.0(*'.3%'4.)',-/0(0/6'('6.-/('3' ;.-4'3.'&/*'*(66+-.'('&'-*7,' 3'7*'&3'+/*7'3' 7.-.'&/*3''3(.-+.-.30.'&(7'0'3*0.30.'-'(7.'.5,-.**'3'+', 3'3' .;.3' 7-*(/3'.1,.-'-*'7/)'/00.,(.)'(7.',3(+0/6'-'2.*'3'(7.-'/00.**'3N

'('*'U'_'G' DD'J?ED ?TC'@? D' ?@' MC' F)#' '/)QDLMD@'
, . .'('B . 'O'G<W'
&D'ED@ DC)OO) D@ FT'# M?Q'CQ LD@'
P ?Q@EC' MD'L?@LFQC ?@C'?'J?ED ?T
''"'*'U''' DC)ND@'@?@'
M)KD)@')L ?@D_)' @QFF' @' F D DE'
) D' CQLLDE)@')' @DN @D' CL K)@ Q'
MD DEDC
'1'U'_'<' ED' F?L?' C) Q'
RQD' ELYDD' OD_OD Q)' Q)@ Q' @) @)

-? LD' M)' MC' C')EE DCCDE' ?' MD'
) LM O)P)@'O D DL' QC' - L?N)LKQC'
9F))@QC' @' MD' L?@CQFCM O' ?' MC'
D@E' TN N)LMQC
'1'U''_'H
g',NN'1)L'UU 'B'N FF)C' @ DC)C'
M?N @ KQC' KDC)C' Q'CQ@' C K' D)FDC'
OFD RQD' K C)@? QN' DUOD QC' 'L'
UU 'GB GH' ?' MD'M C ?)@C?O @ ?@'?'
MD' MD?F?P L)F E COQ DC' ?' MD' ND
'1'U 'G[' TN' 5'='<

3' ((*' 4./-' ?X@' '3*(/3(3*' '3' 7 *' ; * (' (' '1.' 7/)' *7'&3' .5(-/'-) 3/-4' 3(.-.*(' 3' (7.' -.6 : '3' '+' '6)' '1.$' .' 7/)' /66'((.)' ,- .*(7''*' /3)' :-/3(.)' +93)*' +-'1' (7.' (-./*9-4' +'-' (7.' */0-.)' 0.-.1'3.*' ((.3).)' 24' (7.' .3/(.'7.' 7/)' :'3.' (7.' -'93)' '+' (7.' /30 .3(' (.1,6.*' /3)' *7'&3'/'*41,/(7.(0'09- '* (4' 3'(7. -'6.:.3)*' /3)' /3(C9 (.*' 7.',/:/3'-.; ;/6' '+' B96 /3'2- .+' /3)' 69*'-4'/*' (' &/*' 1/4' &.66' 7/;.' .30'9-/:.)' 7',.*' '+' /' 1'-.' .3)9- 3:' -.*('-/('3' 7.3'7.':-/3(.)' 93 ;.-*/6' ('6.-/('3'-.0/ .)' (7.' 1/-(4-*' '+' (7.' - /3' ,.-*.09('3*' /3)' ,-./07.)' ,./0.' /3)' :'')& 66' (' /3' /**.1264' '+' 2*7',*' 7.' *..1.)' (' : ;.' ,/:/3*1' '-' .66.3*1' +'-' (7.' 1'1.3(' /' ,'*('3' '+' 1'-/6' *9,.-'-(4' .(' B96/3' 7 1*.' ') *0.-3.)' 8..364' (7.'-./6' &./83.**' '+' ,/:/3*1' 3' (7.' /2*.30.' '+' /')':1/(0' *4*(.1' /3)' 1'-/6') *0 ,6 3.' /3)' 7.' *(-';.' (' *9,,64' (7.1 N' 7/-(4'/3)' (7.' ,/*('-/(.' '+' *' *' 19*(' 3''6'3:.-' 2.' /' 1'3',' 64' '+' (7.' =/6 6./3*' 7.' ,-.*(' &/*' (' 3*(-90(' 7 *' ,.',6.' 3*(./)' '+' 1.-.64' ,.-+'-1 3:' /' ,/-(' 3' (7./(-0/6' 0.-.1'3 .*' 2.+'-.' (7.' /6(/-' 7.' 0-9.6(.*' '+' (7.' /1,7 (7./(-.' /3)' (7.' '2*0.3 (.*' '+' (7.' *(/:.' &.-.' 3''6'3:.-' (' 2.' 0'93(.3/30.)' 24' (-9.' ;'(/-.*' '+' (7.' 93 :')' ' 1/3' &7''7/)' 6 ;.)' (7-'9:7' *907' /' ',.-')' /3)' &7''7/)' 93).-' 7-*(/3'.1,.-'-*'& (7' 1,93 (4'*.-;.)' /*',' 3(++' /3)' 2..3'0'3*.0-/(.)',926 064' 3' (7.' /9-'2' 91'1 :7(' &.66')'92(' &7.(7.-' (7.',' &.-'*''+(.3' /**.-(.)' /3)' *''0'3*(/3(64').+.)' &/*').*(3.)+3/664' ('(-91,7

7.'19-).-'+' /6.3(3 /3' '24' (7.'7/3)' '-' 1/07 3/('3*' '+' -2':/*(.*N' /3)' (7.' .6.;/('3' '+' 9:.3 9*' (''(7.' ,9-,6.' *..1.)'+'-'/'1'1.3(' ('' '++.-' /'07/30.' '+'-./6*3:'*907')-./1*' E9-.)' 3' 7 *' 0'93(-4'*./(' /3)',-'+.**3:' ('' 2.'*/(*+.)' & (7' -9-/6',6./*9-.*' 6/; /39*' &/*'-./664' /' 1/3' '+':-./(' /12('3*' 3' *,(.' '+' 7 *',/:/3*1' 7.' &/*' /' +/;'9-(.' /(' (7.' 0'9-(' /3)' -'*.' (' (7.' 7:7.*(' '++0.*' .(' 93).-' /66' 7 *' /,,/-.3(' .,09-./3' 3) ++.-.30.' '-' 7 *' *(9)4' '+' 1,.-/6' +/;'9-' 6/Y)' /39*' 39-*.)' 1'-.' (7/3' /34' '+' 7 *' 0'3(.1,'-/-.*' (7.')-./1' '+'-.*('-3:'(7.'-.6 : '3' /3)' *,-('+'/30.3(' '1.' $'0/33'(' 7.6,' 1/:3 3:'7 1' /' 1/3' &7''*9,,-.**.)' 93).-' /' 0-9*(' '+' 7/6+' 1.6/307'64' 7/6+' 0'3(.1,(9'9*' ,.** 1 *1' (7.'+-.' '+' /3

' TN' $_' _' ' f?W' ' <' ' ?? ' ' A<' ' ?]?N ' (' MM') 5 BA' ¤ , ' 5_ @' &D ' 3' AA' ' /)QC?MD@' , . ' FDN')' DE' ' OO' WH_' HHI' WIG' .3 ' (' OO' WHA WBW' ?')' E)LQC) ?@'?' MD')Q M? DC

.3.-:4' &7 07' 3' ./-6 .-' (1.*' 1 :7(' 7/;.')'3.' :-./(' *.-; 0.' ('' (7.' (/(.' ' +/*0 3/(3:' 07/-1' &7 07') */-1.)' (7.'6'': 0/6' /3(,/(74' 93 (.)' ('' /' 29-3 3:' 7/(-.)' '+' (7.' 7- *(/3' ' ' 0'11/3) 3:' /2 6 (4' 0'123.)' & (7' 7',.6.**' 669* '3*' /-.' ,-'2> /264' (7.' *.0-.(' '+' 7 *' *(-/3:.' /3)' (-/: 0' 0/-..-' .' (7-.&' 7 1*.6+' 3('' /' 1';.1.3(' &7 07'*..1.)'+'-' /'1'1.3(''(',-'1 *.' (7.' 07/30.' '+' /' -./6' ,/:/3' -./0('3' 9:.3 9*' /' 7-*(/3' 3' 3/1.' &/*' /' .66.3 *(' 3' 096(9-.$' /3)' -./) 64' */30('3.)' (7.' -.,./6' '+' (7.' /3(,/:/3'6/&*' (' (7.' 3*(/30.' '+' 6/; /39* M' (7.' /6(/-' '+' 0('-4' &/*' '30.' 1'-.' -.*('-.)' ('' (*' ,6/0.' (7.' .5,.3*.*' '+' 7./(7.3' -(.*' &.-.' '30.' 1'-.' 2'-3.' 24' (6.' (/(.' /3)' /66' (7.' 09- '* (4' '+') ; 3/('3' &/*' /66'&.)' +-..',6/4' &'' 4./-*' &.-.' *,.3(' 3' ,-.,/-/('3*' +'-' (7.' 0'3+6 0(' '3' &7 07' *'' 1907').,.3).)' 3' 2'(7' *).*' (7.' 6./).-*' *(-';.' (''+'-(+4' (7.' 0'9-/:.' '+' (7.-' ,/-(4' 24' ,-',7.04' '-' '-/06.' 7.')'* 9*' *.3(''3.'' '+' 7 *' .93907*' (''0'3*96(' /' *'6(/-4' '+' :-./(' /:./3)' +/1'9*' */30((4' 3' (7.')..,(7*' '+' (7.' 7.2/)N' 6/; /39*' &/*' 3'' 6.**' /0(;.' 3' *.09-3:' *9,.-3/(9-/6' /**9-/30.' '+' (7.' *900.**' '+' 7 *' 0/9*.' /3)' /3' '-/06.' &/*' 0-096/(.)M' &7 07' *..1.)' (''),-.)0(' (7.' +3/6' ';.-(7-'&'' '+' (7.' 7-*(/3' +/ (7' 3' (7.';.-4' 4./-' '+' (7.' 1,.3) 3:' *(-9::6.' *' 0'3*96' '+' ?#V' 7.' 0.6.2-/(.)' (7.' +.*(;/6*' '+' * *' /3)' /:3/' /(.-' 93).-' (7.' .4.*' '+' (7.' 9*9-,.-N' 7.',/:/3' ,/-(4' &.-.' +966' '+' 7',.' /3)' 0'3+).30.' 6.3' -2':/*(.*' /3)' 9:.3 9*' C9((.)' 6/3' (''1..(' (7.' /-14' '+' 7.')'* 9*' (7.4' 2'/*(.)' (7/(' (7.4' &'96)' -.(9-3' (''*(/26.' (7.-' 7'-*.*' 3' (7.' 7-*(/3' 2/* 0/N' (7 3' /' +.&')/4*' (7.*.' 7',.*' &.-.' 0-9*7.)' 3' (7.' 2/((6.' '3' (7.' -:)9*' 6/; /39*' 24' /';'693(/-4').(/7' -.+9*.)' (''& (3.**' (7.';0('-4' '+' (7.' 0/9*.' 7.' 7/(.)' '-' ('' /00.,(' (7.',-'2/26.' 06.1.304' '+' (7.' 0'3C9.-'-' 7.' (-91,7' '+' 7-*(/3(4' *..1.)' 0'1,6.(./3)' +3/6' .-.3/' (7.'& +.'' '+' (707' $' '3.'' '+' (7.' :.3.-/6*' '+' 7.')'* 9*' 3' (7.',-.*.30.' '+' (7.' 6/*(' .*(/6' -:3' (''8' (7.' 3.086/0.' +-'1' (7.' (7-'/(' '+' (7.' =-./(' '(7.-' /3)',6/0.)' (' '3' 7.-' '&3' 7.' */0-6.:.' &/*' (''),/:/3' 1 3)*' & (7 3' /' +.&' 4./-*' (.--264' /;.3:.)N

' f?7' ' < ' L ' DLLS C' '2 ' ;Q @' ' ')..' ' WW' (, ' LU ' ' ?]?N' ' AA' ' 2!0' 6' Y' ,' T' L' ;)QCDKD@' , 1..' 0S=' ',B 2!0' 5' 1''122,' O' WBH \,(]- (/;&J 5)QF@'! ' 1 0 'e' AB \' 5)QF@'! ' 1 0 'e' HG $ F)QE)@' ') 05' 'WGA ' f?C' ' <_ ',QP' '(!'4 'U '<W ' 1' 'WH

4.3 4.((7.,/:/3 10/9*.;).3(64))3'(*..1 ('(*/)7.-.3(*('2.7',.6.**64 6'*(3*,(.'+(7.).+./('+9:.39*(7.1/**'+(7. .3/(.& .-.*(6 '2*(3/(.64/(((/07.)('(7.+/(7Q&707 7/)8.,((7.0(4 93-/;/:.)+'-/(7'9*/3)4./-*R$ 3)'3.'+(7.6/*(/0(*'+6.')'*9*&/*('0'3;'8.(7.0'3*0-,(+/(7.-*/3)/,,.6('(7.1('/2/3)'3(7.-.--'-*/3)('/00.,((7.+/(7&707,-'1*.)/2*'69('3+-'1/66*3/3)1,.(4 00'-)3:('^'*19*(7.7'1 64,-')90.)3'.++.0(/3)(7. 1,.-'-7/).;.3('6*(.3('/-:91.3(*3+/;'9-'+(7./30.3(-.6:'3'+(7./(.MM

3(7.4./-+'66'&3:(7.;0('-4';.-9:.39*'3'-9*/3)-0/)9*+'93)(3.0.**/-4('-.,./((7.-+/(7.-<*,-'>72('3'+/66 7./(7.3-(.*N E9((7.*(9).3(1/4./*64)*0';.-3(7*6/&(7.0/9*.&707 1/).*907 0'3*(/3((.-/('3 3.0.**/-4 (**)-.0(.)*,.0/664/:/3*(:';.-3'-*'+,-';30.*/3)(7.-'++0/6*&7'0'3)'3.)'++.30.*/:/3*(,-.;'9*.)0(*M .:6.0('3(7.,/-('+(7.3+.-'-'++0.-*('0/--4'9((7. 1,.-'-<*0'11/3)*3'&1/).'/0/,(/6'++.30.N 7.')'*9*7/)*7'&3'/*1 6/-)*(-9*('+7*92'-)3/(.*3(7.6/&'+?#[N 3)('/,,./-*/:/3'/3)/:/3 3(7.6.:*6/('3'+(7*,.-')M 3(7.,-';30.'+ +-0/(7.6./).-*'+(7. 79-07'0'1,6/3.)'+(7.*6/083.**'+(7.,-';30/6'++0.-* 3':;3:.++.0(('(7.,.3/6 6/&*/:/3*(,/:/3*1$.'1/4'0'1,/-.'(7.)++096(.*'+(7. 1,.-'-'3*.09-3:'2.).30.('7*6/&*/:/3*(7./(7.3-(.*&(7(7./,,/-.3(64 3*9,.-/26.'2*(/06.*&707(7.:';.-31.3(7/)('.30'93(.-+'-'/793)-.)/3)+6(4 4./-*3(*.++'-(*('9-:.(7.0'--9,('3'+(7.+3/30/6*.-;0.N 3 2'(70/*.*(7.,-'72('3*/-.-.,./(.)&(7&./-*'1.+-.C9.304'/3),'3(.)24(7-./(*'+(7.*.;.-.*(,93*71.3(E9((7. 1,.-'-&/*1.(24'/').)/)&.:7(''+++0/6-.**(/30.''-3.:6:.30.'&707/,,/-.3(64-.3).-.)6.:*6/('3/61'*(39:/('-4 7.,-';30/6:';.-3'-/3)7*(/++&.-.'+(.3 3*41,/(74'-3 6./:9.'&(7(7.'++.3).-*' '83'&6.):.

'f?H' 'BI'KQ'L''/)QCDMD@'O'AII
'f?C''<I'3 '3!1''':',5,BM* .
! , !*0'2 \
W)'*'U 'G['GH
'1'U 'G['GW' CL)@')Q DN'
N?EL)?DC' O?@L)Q@'@?C)QN

D'MC')OO) ?'?KCDLQ@E)@C'DL
'1'U 'G['GW' @CQOD'L)O)F'
)QOOFL?'YQEL)NQ)'?L)'??D LL@E)'
1'U 'G['GA
',QP'C5'IG'e'H'?'I_
'DD'K??S' '?'K '#?'S

'+' (7.' 7 *('-4' /3)' ', 3 '3*' '+' (7.' '++0 /6' ('' &7'1' (7.' 6/&' *' /))-.**.)' & 66' '+(.3' .5,6/ 3' (7.' -./*'3' '+' (7.' 3.0.** (4' +'-' (*' -.,.(('3' '-' 3*(/30.' (7.' 6/&' '+' ?#! $' /:/ 3*(' (7.' /,'*(/*4'+-'1' (7.' 7-*(/3'+/ (7' '+', .-*'3*' '+' 7 :7' 7 -(7' '-' '++0 /6'-/38' *' /))-.**.)' ('' 6/; /39*' (7.3' -.('-/3', -.+.0(' (7.' 1/3' &7'' & (7 3' (7-..' 4./-*' &/*' ('' 2.' /' 6./).-' 3' (7.' :-./(', /:/3' -./0('3' 93).-' 9:.3 9*' ' 6/&' '+' VA#'M) -.0(.)' /3'(7.-' -.('-/3', -.+.0('B'; 9*' ('' (/8.' (7.' *.;.-.*(' 1./*9-.*' /:/ 3*(' (7'*.' -.3.:/).*' &7'' &.-.' /)', (3:' (7.' *9, .-*((' 3' '+' (7.' ./;.3 &'-*7 , , .-*' (' 1/4' &.66' 7.')'92(.)' &7.(7.-' B'; 9*' &7'' +' 7.' 7/)' /34' *.-'9*' , '6 04' '-' +/ (7' 2.6 .;.)' 3' (7.' ('6.-/3(' , '6 04' '+' (707'' /3)' 3' /*(-'6':4' &/*' 6 8.64' ('') *, 6/4' 1907' O./6' 3' .3+'-0 3:' (7.' & 66' '+' (7.' 1, .-'-' /:/ 3*(' *907' 7.-.(0*

3' (7.' '(7.-' 7/3)' (7.' , /:/3' *.3(1.3(' '-' (7.' (/*(.' '+' 1/34' '++0 /6*' *'1.(1.*' 3+69.30.)' (7.' ='; .-31.3(' ('' -.*(-/3' (7.' +/3/(0/6' /3)/6*1' &7 07' 2'(7' 3' (7.' /*(' /3)' (7.' .*('&/*' 1/8 3:' 7/;'0' '+' (7.' (.1, 6.*' /3)' (7.-' (-./*9-.*' '+' /-(' (' &/*', -'2/264' (7.' , /:/3' /9(7'-' '+' (7.' ', - , ,' &7'' .;'8.)' (7.' .)0(' '+' ?## N' +'-2)) 3:' (7.').*(-90('3' '+' *907' 1/*(.-, .0.*' 3' , /3' /3)' =/96' 3' (7.' 4./-*' &7 07' +'66'&.)' (7.').//(7' '+' 7.')'* 9*' (7.-.' *' /' 1/-8.)' .++'-(' ('' 07.08' (7.').*.0-/('3' '+' (7.' /30.3(' *7-3.*' 24' :-..)' '-' +/3/(0*1 $' ' B.-'1.' /3)' ' 9:9*(3.' .596(' ';.-' (7.' -9 3' '+' (7.' (.1, 6.*' '+' (7.' +/6*.' :')*' 3)' (7.-.' *' 3'')'92(' (7/(' (7.').*(-90(;.' .3.-:4' '+' 1.3' 6 8.' 7.', 769*' '+' 6.5/3)-/N' ' /-(3'' '+' '9-*' /3)' /-0.669*' 3' 4-/'7/)' 1/34' 1 (/('-*' E9(' (7.' .1, .-'-*' 7/)' 3'' & *7' ('' *..' (7.').1'6 ('3'' +'0'*(64' /3)' 2./9(+96' 29 6) 3:*N' 7.4' 1 :7(' *(6' 2.' 9*.)' /*', ,6/0.*' '+', 926 OQM1..(3:' /3)' -.*'-(' '-' 0'3*.0-/(.)' (''7-*(/3' &'-*7 , ' 7.' (9196(9'9*' :/(7.-3:*' 7./).)' 24' 1'38*'&7 07' &-'9:7(' *907').,6'-/26.' 7/;'0' 3' (7.' /*(' &.-.' , -'7 2(.)' 24' -0/) 9*' /3)' (7.-.' *'.;).30.' (7/(':';.-3'-*

' U ' * ' U ' _ ' <

' 1 ' U 3' H' GI ' O@' MDCD' ?DF ' L?F)D' ' J?ED ?T C' @? D' ' B' O' A<H

' 1 ' = ' G[' G<

' & D ?@')5' G[_' e' G')) QN' CRQ)FD')O ?F)N' 9QF P @D' D'))@D) @N' DFFC' ?N@)' /?N)D' DNOF)' L??O?)' CQ@ ' ,QP')5' AWA' e' W' E? C' LD D' C NQF)L ? QN' DNOF)' O) N'C @D' DO)) ?@C' L?FF)OC)' O) N E N)' O) N' LF)QC)' D L' ' L ' J DP? ' ? QC' OO' <H B[

\' @O' D ' ! ' '' %, ' L' GW' ?]?N' ' G<' L ' J?ED ?T C' @? D' ?' (' * ' U ' G[' GB

' "' * ' U ' G[' G<' ?FQ)QC' OQKF ' L? QN' ?ODNN' ? @)ND@)' CD) ' ' L ' U ' G[' W

' 1' U ' G[' GB

'+' (/*(.' /3)' *.3(1.3(' *.0'3).)' (7.' 1,.- /6' & 66' 7.' 7-*(/3' ,'.(' -9).3(9*' 1/8.*' 7.')'* 9*' -.0'11.3)' ('' (7.' .3/(.'(7.' ,-.*.-;/('3' '+' (7.' (.1,6.' 1/-26.*' /*' 1'39> 1.3(*' '+' 3/('3/6' :-./(3.**' /3)' 1/*(.-, .0.*' '+' /-($' 3' (7.' -.:3' '+' (7.' 4'93:.-' 7.')'* 9*' 3./-64' ?AA' (.1,6.*' '+' (7.' :')*' &.-.'*(66' *(/3) 3:' /6(7'9:7' (7.-' '-3/1.3(*' /3)' ,6/(.*' '+' :'6)' 7/)' 2..3' ('-3' '++' ('' *&.66' (7.'-/3*'1').1/3).)' 24' 6/-0M' /34' &'-8*' '+' /-(' &.-.' 29-.)' /3)' +'-:'((.3' 3' (7.' (.--'-*' '+' ,.-*.09('3' '-' 3;/*'3$' E9(' 3' (7.' (1.' '+' '3'-9*' /3)' .;.3' 3' (7/(' '+' B9*(3/3' 11.3*.' 3912.-*' '+' (7.1' &.-.'*(66' ,-.*.-;.)' 2'(7' 3' (7.' ',.3' *,/0.*' '+' (7.'0(4' /3)' 3' (7.'7/66*' '+' (7.'3'26.*N

-'1' (7.').//(7' '+' 7.')'* 9*' (66' VA"' /6(7'9:7' (7.' -.6:'9*' 0'3+6 0(' &/*' +.-0.' (' &/*' 0'3(-'66.)' ('' *'1.' .5(.3(' 24' (7.' 1').-/(3:' 3+69.30.' '+' (6 07'' (' *' 3'('9-',9-,'*.' ('') *.3(/3:6.' (7.' ,.-,6.5.)' *('-4' '+' (7'*.' ,9OO6 3:' /3)') */*(-'9*' 4./-*' 3' (7.' '3.' *).' &.-.' (7.' 2*7',*' 2/08.)' 24' *'1.' '+' (7.' :-./(' 3'26.*' /3)' (7.' '++0.-*' '1/3' '-' 2/-2/-/3' '+' (7.' .6).-' 7.')'* 9*' (7.' ,/-(4' &7 07' 7/)' /6-./)4' &'3' /':-./(' (7'9:7' 3'(' 4.(').0 * ;.' ; 0('-4' 3' (7.' '(7.-' &/*' (7.' 1/**' '+' (7.' *.3/('- /6' O6/**' & (7' /' 0-'&)' '+' -/3*' B.&*' /3 07/./3*' /3)' ,7 6'*',7 0' +-..(7 38.-*' &7'' (7'9:7') ;).)' 3' -.6:'9*' 2.6.+' &.-.' 93(.)' 24' '6)' ,/(-'(O' /**'0 /('3*' '-' 24' (7.' 7/(-.)' '+' /' 1.3/0 3:' (7.'0-/04' (6 07'' &7'' &/*' 6.+(' :9/-) /3' '+' (7.' 4'93:' .1,.-'-*' &/*' '-' :/;.' 7 1*.6+' '9(' ('' 2.' (7.') .,'* (/-4' '+' (7.' 6/*(' & *7.*' '+' 7.')'* 9*' '3' (7.' -.6:'9*' ,-'26.1' '+' (7.' (1.' .' 3(.-> ,-.(.)' 7 *' 0'11 ** '3' (' 2.' '3.' '+' ('6.-/('3M' (' 7'6)' (7.' 2/6/30.' .;.3' 2.(&..3' (7.' ',,'* 3:' +/0('3*' 3' (7.' 4./-' ?#X' /3' /13.*(4' &/*' ,-'O6/ 1.)N' /3)' (7.'2-/3)' '+' :3'1 34' /(((/07.)' ('' (7.' ,/-(4' '+' 9:.3 9*' &/*' '26(.-/(.)' 30.3(' ,/:/3' +.*(;/6*' 3' +-0/' -.0. ;.)' 6.:/6' */30('3N' 7.'%9) 0/6' ,'&.-' '+' (7.' ., *0',/(.' &/*' 6 1(.)« /3)' (7.' .3/(.' &7 07' &/*' (7.' *(-'3:7'6)' '+' ,/:/3' *.3(1.3(' &/*' /00'-).)' /3

' (0 ,''2 ' '<[G' @CL O ?@C' CM?#' M)' @' HW C) QDC' ?' 1 @D)' #D D' DC ? DE' KT' MD' 4 K)@' O D DL [' G f' ' BAB' GBB \' J DP? ? QC' '_H' @' H $ @' MD' ND' ?' VQC @)@' W_H<' C) QDC' DN) @DE' @' MDL T' J DP? ? G' _I' ?' B0 ,' .. ' L' ' %MD

LQ) ?')) Q) QN' #)C')@' ? LD' Q@ED' F D 5)D' 4 K'' CDD' 7KLS @P C' DE' O' OF ' ,NK ?C' .'"1 ' * .0 ' < ' (' * ' = ' G ' GA $ 1' U ' G[' *' (3' J?EL ?T C' @? D ' 1' U ' GG G' L' U ' A GA' AW' G

/9(7'-(4'&7 07' ('7/)'3'('.3%'4.)'+'-'1/34'/:.*' .('(7.'/3(>
,/:/3'6/&*'*(66' 3'(7.'-4'-./3.)'(7.-'+'-0.'/3)'(7.'0-'&)'
'+',/:/3*'/3)'7.-.(0*'&.-.'/('6./*('3'1 3/664'8.,(' 3'2'93)*'
1)'(7.'+9-4'+',/-(4'+..63:'/3)'+/3/(0*1'(7.'0''6'/3)'
,-'2/264'*0.,(0/6'*(/(.*1/3'*900..).)' 3'*/(*+43:'3.(7.-'
7-*(/3'3'-',/:/3'/3)'&/*'+3/664'.5.0-/(.)'24'2'(7'/68.M'
7.'1 3'9*/);.3('+' 6/-0'/3)' /)/:/.*9*'*(196/(.)'*(66'
+9-(7.-'(7.'&/-'+'-.6:'3*' 7.3'2.:/3'(7/(' 1.6/307'64'
(-+.''+'',7*(-4'/*'('(7.'.+6 0/04'+'(7.'6)':')*'-'(7.'3.&'
('',-'(.0('/3)',-'*,.-'(7.-'&'-*7 ,,.-*'&7 07'&/*'364'06'*.)'
24'(7.':.3 9*'+' 9:9*(3.' ;.-4'+690(9/('3'+'+'-(93.'
&/*'./:.-64'*.0.)'9,'3'/3)'*8 6+9664'9*.)'('') *0-.)('-'('
:6'-+4'B9,(.-'-' 7-*(' 7/('&./-.'07.+64'0'30.-3.)'('
3'(0.'*'(7.'+'-0.'/3)'+.-;'9-'+',/:/3'*.3(1.3('/('(7*'
(1.' .;.-' 3'(7.'./-64')/4*'+' '1.'&/*'*9,.-*((''3'
/,,/-.3(64'1'-.'-/1,/3(' M'(7.'+-*('()3:*'+'(7.'0'1 3:'
'+'(7.'='(7*'-' 93*'/66M'(7.'6)'1.3*'+'(7.')/4*'+'(7.'
/13(.'/3)'/-(7/:3/3'&/-*'-./,,./-' 7.'(.--'-'+'(7.'(1.'
0/3'*('2.'+.6('(7-66 3:'3'(7.';.-*.*'+' 6/9)/3' .3'(/68.)'
'+')-./1*'+'*(-/3:.'+6:7(*'+'2-)*'+'0'1.(*/3)'.06,*.*'
'+'*7'&.-*'+'*('3.*'/3)'93./-(764'*'93)*' 3'(7.'*6.30.'+'
(7.'3:7(M' 7.4'&/(07.)'(7.'*.((63:'+'*&/-1*'+'2..*'/3)'
(9-3.)'(7.'6./;.*'+'(7.' 2466 3.'2''8*'+'+/(.M' 7.4'
-.0/66.)'(7.'+6:7('+'(7.'(&.6;.';96(9-.*'&7 07'7/)'0-'**.)'(7.'
:/O.'+' '1969*'/3)'3').+/30.'+'07-'3'6':4'/2-):.)'(7.'
4./-*',-(.3).)'24'(7.-'+6:7(N' 7.3' /)/:/.*9*'&(7'7*'
7'*('+'[AA AAA' 93*').*0.3).)'+-'1'(7.' 6,*'(7.'6)'
,/:/3'+..63:').+.)'/66'-.*(-/3('/3)'(7.'0-.*'+'(*',30'/3)'
-.:-.('-./07.)'(7./-*'+'(7.'E*7',+' ,,'N' 7.'1'*('
(.--26.'3;/).-'&7''7/)'.;.-'/,,./-.)' 3'(/64'1.3'*/)'&/*'
/')6:.3('; '(/-4'+'7*'*(-/3:.'3'-(7.-3'':')*F/3)'(7.'*'3*'
+'6)' '1.'&.-.').,-;.)'+'(7.'7.6,'+'(7.-'/30.3('
).(.*'('&7'1'(7.4'&.-.'3'&'+'-2)).3'('++.-'/M:-/3'+

('))*'U'<'W_'WH'WI
'/Q F'-)N)''G'0?C' '
WH'L'/)CLMD@' ,1 '
('B.'O'<<H
'F)QE''F'?'AA_A_
''AWG'
RQE'L)N@D'O?CL)'
)EL?'LQC?C'4?@)?'L)K)CQC')D
$ 'AB<'
Q@L'DOQ)Q')@@?C'@DLDO?RQD'U?F)C'
%QF Q C'@LEQ@'O?OD)C'#DLQF)'ND)

$,QP''(!'''AW'@?KC'
)OQE';)M)P@DN'ELDK)Q'M?L'
LDED D'CO)PD D'Y)L)D'O)P)@?C'
RQ?E'4D'EC'O?DPD@KQC'D'
?O QF)@KQC'RQKQC'N@Q1)D'L?EDC'
DDK)Q'@?''?N@@?'@?@'O?CCD')K'
DC'RQ'F)'EC'/?N)@C'C)L)'@?@'
)LD D@'@D?D''RQ?RQ)N'ODN'
DD@

30 9*.' ./3&7 6.'(7.'+..6 3:' '+' *9*, 0 '3'('&/-)*' (607''
&/*')..,.3 3:' 3('' 7/(-.)' '3'(7.' 7-*(/3'*).' 7.'06.-:4'
))' 3'(' +3)' 3' 7 1'(7.' +/06.' 3*(-91.3(' '+' ,.-*.09('3'
(7/(' (7.4').*-.)' 7.4'.5/6(.)'(7.', .(4'/3)' ;-(9.*' '+'
(7.'&./8'/3)'&'-(76.**' '3'-9*'/(' (7.'.5,.3*.''+'(7.'1/3'
&(7'9('&7'*.':9)/30.' '3'-9*'&/*'/' 1.-.'0,7.-$' 7.4'
0-096/(.)'(7.' 14(7'&707'&/*'/00.,(.)'/6*'' 24'(7.',/:/3'
9(69*N'(7/(' (607''7/)'6.('6''*.'(7.'7'-).*''+'2/-2/-*1''3'
(7.' 1, -.' &(7'(7.')..,',9-,'*.''+'-..*(/26*73:'(7.',/:/3'
-.6:'3'/3)'(7/(' 7*'*'3' 907.-9*'&/*'('' 2.'(7.'B96/3''+'
/3'(7.-'-.6:'9*'-./0('3N' 7.':-./(':.3.-/6'/3)'*(/(.*1/3'&/*'
07/-:.)' &(7'*6/083.**'/3)',-+)4' 3' 7*' 0/1,/:3*'/:/3*('
6/-0M' 7.';0('-4'/(' '66.3(/'&/*'/((-29(.)'('*9,.-3/(9-/6'
/)' 3'*, (.''+'(7.'*/0-6.:'9*';'6/('3''+'(7.'7'64'(1.''+' /*(.-'
(7'-.086.**' 30'3*'*(.304'(7.'1.$'&7''6/9).)'(7.'7-*(/3'
06.1.304'/3)'-.;.-.30.''+' 6/-(_';+.)' (607'<*',6 04''+'
0'306/('3'/*'(-./07.-4'/3)'&./83.**N' 3'(7.''(7.-'7/3)'
(7.'6)' '1/3',/-(4'*(66'1'-.'7./-(64').(.*(.)'(7.'1/3'
&7''7/)'2'-3.'/',/-('3'(7.';0('-4'';.-' 9:.39*N'/3)'&7''
-.6.)''3'(7'*.'=.-1/3'0/,(/3*'/3)'*'6).-*'&7''&.-.'3'&'
(7.'1/3').+.30.''+' '1.' 7.' :3'26.'(-91,7''+'(7.'1'(6.4'
0'123/('3'&707'';.-&7.61.)' (607/'7/*'2..3'+(.3'('6)'
/3)'3..)'3'('2.'-.,./(.)'7.-.' 7.'74,'0-(0/6'641,9*'
&7''' '&.)'7*'+-*('-*.'(''(607''/((/3.)'/'2-.+'/*0.3)/304'
/1)'(7.'26.**3:*'/3)'0'3:-/(96/('3*''+'(7.')':3(/-.*''+'
(7.'79-07N' 3)'(7.'79-07'('' 8'/3'/1,6.'-.;.3:.'+'-'(7.'
3(.-;/6''+'06.1.304' 7.'6/*('.3)'&1.3(*''+'(7.''6)'-.6:'3'
&.-.'&(7)-/&3N'(7.' 1/:.*''+'(7.':')*' &.-.',966.)')'&3'
(7.'(.1,6.*'&.-.'.(7.-'0'3+*0/(.)''-').*(-'4.)'(7.'2/3C9.(*'
/3)':/1.*'&.-.',-'7 2(.)' 66'.3.1.*''+'(7.' /(7'6 0'
+/(7'&.-.'2/3*7.)'+-'1'(7.' 1,.-/6*.-;0.$N' 7.'+.:3.)

G',QP')5'I_'&D?@')5'GAW
e'G_'RQ?E'@B@' ?'O N'RQ'DF'
DFP?C CC N'CQ@'CDE'CLDFD D'CDN'
K)K)')CD E'O?E ? C''0?C'
W_'GG
$7Q F'-)@)' ' B
$0?C' 'HH'e'G
'1' 'W_'A')LD?' QD',F) L?'
DPD'LQN'J?M C'CQ C C)D'D' ??'))DOD'
L?@LFQC?'CDNOD RQD'E N CC?
'1' 'WI''(!'4 ''G
'f?C' 'B_<I'/Q F'-)N) G

'f?C' 'WA' 2''' O' 5,50-32'
*-!'L5- ,2-2' L, 3' ?==Y' 0#
B5<*-2' 2' ,! 5' 0!V5,!'*' '
0FTNO ?E'e'A'--525=,',, F5 !5
,0-'::' "L!3 0-'2', ''5'3,!L'
50!5B -!'12' ''N 50-'!<3 2'
"2,02
$,QP')5' IB' DNO?)F' D ?'
DFL)D')E')D D @)'FQ?)' D'O QED@D'
QCQ Q@'N @NC'EQK)NQC' 6 D@'
@' [H' ?'OFTNO QC
'(' * 'U 'G['GI
1'U '<' A' %MC' N)LMD

.3(79* /*1' '+' 641, 9*' '2(/3.)' +'-' (7.' 2*7',*' (7/(' ' ;6'
%9-*) 0('3' &7 07' 7/)' 2..3' *(-0(64'6 1 (.)' 24' (607' $' 3)'
('' .3*9-.' (7.'; 0('-4' (7.' 2*7',*' (7.1*.6;.*' &.-.' 07/-:.)' & (7'
(7.' 0'3:.3 /6')9(4' '+'.3+'-0 3:'6/&*' &7 07' (7.' 1 6).-' '-' 6.**'
0'3*0 .3('9*' 6/4 :';.-3'-' 7/)' '+(.3' /66'&.)' (''*6..,N
3'(7.-'*7'-(6;.)' /3)' 1,'(.3(',/:/3' -./0('3' '009--.)'
3' VA#' &7.3' B/-0' & (7' (7.' /,,-';/6' '+' (7.' .3/(.'*.(' 9,'
/'-;/6' .1,.-'-' (''' '3'-9*' 3' (7.',.-*'3' '+' (7.') 6.(((/3(.'
(((/3* N' 7.' 6./) 3:' 1.12.-*' '+' (7 *' :';.-31.3(' 2.6'3:.)'
('' (7.',/:/3',/-(4' /1,/) 9*' (7.' -.('-/3',-.+.0('&/*' /3'
/;'&.)' 2.6.;.-' 3') ;3/('3' /3)' (*' 8 3)-.)' /-(*' /3)' 7/)'
2..3' 7'3'9-.)' & (7' /'6.((.-'+-'1' ' 9:9*(3.''3' (7.' *92%.0('
'+' (7 *' *9,.-*(('3 M' .-0 /3' (7.',-.+.0(' '+' (7.' 0 (4'7/)'
)9-3:' (7.' 2-.+' /*0.3).304' '+' 9:.3 9*' 2..3' :9 6(4' '+'
/,'*(/*4 N' .-(9669*' (7.' 0'3*96' '+' V!A' &/*' /').06/-.)',/:/3'
'+' (7.' '6)' *07''6' &7*'))' 3'(' 7.*((/.' 3' /))-.** 3:' (7.'
.3/(.'('' .5,-.**' /'7',.' (7/('(7.' /30.3(',' 3('+0/(.'&'96)' 2.'
-.;;.)' 3' 7 1*.6+ N' 7.' (-./07.-'9*' '-' +086.' B';9*' &7'1'
((/3*' -/*.)' (''' (7.',-.+.0(9-.N' &/*' /' +-..(7 38.-' '+' (7.'
(4,.' 0'1 1'3' 3'(7'*.')/4*' '+' +69)' 0'3;0('3* N' 3).-' *907'
,/(-'3/:.' (7.' 7/6)/./3'+'-(93.(.66.-*' /3)');3.-*' &7'' 7/)'
2..3' 2/3 *7.)' 24' *'' 1/34' .1,.-'-*' -.3.&.)' (7.-' /0(;(4 N'
'-' (7.'+-*(' (1.'* 30.' (7.')/4*' '+' '3*(/3(3.'(7.' 8,1,'
)*/,,./-.)' +-'1' (7.' 0' 3* MN' ((/69*' 3' /'*,..07' '+' '-3/(.'
-7.('-0 MM' 07/-1.)' (7.' .3/(.'& (7' (7.',0(9-.''+' /'-.93(.)

?QC' D@)L ND@'#M LM' EDO DE'/?ND' ?' MD' CD LDC'?' C?ND' ?' MD' KDC' C?FE D C' C' D D DE' ?' @' f?C' ' B' ' #)C' CCQDE' M@' M DD' N?@ MC') D' MD' ED) M'?' F LM?
' ' * ' U ' G[' GI' ' U ' A' WI
%MD', L)@' K CM?OC' @' 0L ?KD'?' [H' CD@')' EDOQ) ?@' ?' EDN)@E' MD' D@?LDND@'?' MD' F)#C')P) @C'O)P)@C')@E' MD D LC')@E' ', QPQC @D' K)LSDE' QO' MD 'EDN)@EC' KT')' O) D' FD D' ?' 0FTNO QC' b,VO' I_"' ', ' MD' C)ND' ND' MD' O)P)@C' ?@' MD' ED) M' ?' F LM?' LF)N?Q DE' ?' MD' DOD)F ?' MDCD' F)#C' ?@' MD' P ?Q@E' M)' MDT' M)E' DN)@) DE' ?N' F LM?' %M)' MDT' #D D' @?' P? ?QCFT' D@?LDE' EQ @P' F LM?C')CLD@ED@LT' CDDNC' NX OF DE' @' MD' #?EC' ?N@)' RQ)D' @' 8?@) C)C' 1)@LM)D?C' C D' 5 CL F' F)@C)C' DF' @' JD@ FDC')'@?K C' EDL D)' CQ@' @?@' C?FQN' N)@D D' EDLDN NQC
D QN' @' DUDLQ ?@DN' OFD@ CC N)N' D DL QNRQD' EDEQL'b_'* ' U '<' W"' F LM?C' ED) M' ??S' OF)LD' G[' .)F' DO' [H' MD' F)#C' DULFQE @P' O)P)@C' ?N' MD') NT')@E' D@?L @P' OD@)F DC')P) @C' MD D LC')D' E) DE' GH')@E' G_' ;)F' 8DL' [H' DD' J?ED ?T C' @?D' ?' (' * ' U ' G[' GI
' f?C' '
', QP')5' A B
$ &D' #)C' O ???C'?', ! L)' @' WI ' DD' (, ', ' _H' RQ? DE' KT' DDLS' '2 ' @' <HH
' O ?C' ' A
' f?C' ' H
$ 5)QF @' - ?F')5' GB
' ?]?N' U' H' 5 ! ,'' I', ! !,#=#
' 06 ', =?OFU' !
.LSDF' 40. ' & ! ' RQ? DE' @'
%M D TC' , .' O' GW"
f?C' '_' ?]?N' U' H')@E' I

.1, -. '+ 2'(7 /*(/3) .*(/3) 7.6) '9((7. 7', . '+ /* *,..)4 -.*('-/('3 '+(7.+.*(;/6** /3)(.1,6. *.-; 0.*'+(7. -/30.*('-* (&/*(7.6/*(/((.1,('+(7.'6) ,/:/3*, -((' /**.-((*.6+ ', .364 3(7. 1, -.'+(7. .*((&/*1/). & (7(7.*9,,'-('+ /'=.-1/3/3) -/3 07 .+ (((/3**7/) 3).+.-.30. ('6/-0 -.0. ;.) 2/,(*1 /((7. 7/3)*+ :7. /-/3 -/3 2*7', $.(7. &/*+'-(7. 1'1.3((7. 7./) '+ /, /-(4**1. '+ &7'1)-./1.) '+ /-.(9-3('(7. ('6.-/3(,'6 04 '+ '3*(/3(3. '-'+ /6.3(3/3 & (7(7. *9,,'-('+(7. ='(7 0 ,'&.-F &7 6. '(7.-* 1/4 7/;. .;.3 39-*.) (7. 7', . (7/((7. 7/(.) +/ (7 &/* /6-./)4)''1.) (((/3* &/* /' &'-(74 -.,-.*.3(/(;. '+ *907 669* '3* 3) (7. :-./(07 .+ &7'' 7/) 2..3 7 * *'6. *(/4 &/* & (7 3 /'+.& 1'3(7* 6/) ('-.*(3 (7. *.0-.(:-/;. 3 (7. 2.) '+ (7. E9*.3(9* M

(7 (6 07'', -'2/264 +.66 7 * +- .3) /3) 2- 66 /3(.96': *((7., '.(6/9) /3 . 7/) 2.4'3) /')'92(' /'7 :7 ,6/0. 3 (7/(*'0 .(4 '+ &7 07 7. * (7. *'6. 6(.-/-4 :6'-4 .(' (* 09- '9* (7/(' /2'9((7. 7 *('-4 '+ (7. 6/*(1/3 '+ 6.((.-* &7'' 7/* *'1.(7 3:' '+(7. 1/33.-/3) 3*, -/('3 '+(7.:-./(/:. *'' 6((6. * 83'&3 .7/) 3 7 *)/4* '+, -'*, .-(4 /**/6.) 3 /'2(3:., :-/1 N (7. 09,) (4 '+ /3 :4,(/3 0'1, /(- '(' &7'' -'*. 7 :7 3 (7. 1, .-/6 *.-; 0./3) 2.0/1. -.('-/3 , -.+.0(/+(.- (6 07'<).//(7 M .0/3 '364 0'3%.0(9-. (7. +/(. '+(7., '.(+-'1 /3., *(6. /))-.**.) (' (7 *) :3(/-4 N 1, 6'-3:' 7 * 1.-04 24 /3 /, , ./6 (' (7. '.5/1, 6. * '+ , (4 0'3*.0-/(.) 3 =-.0/3 6.:.3) 6/9) /3< :-./(0-1. &/* (7/(' 3 (7. &'-)* '+ -'* 9* 7. &/* Q /'1'*('2*(3/(. , /:/3 R 7/(' 7 * -.6 : '9* 0'3; 0('3* -./664 &.-. &. 0/3 3.;.- 83'& -'2/264 7 *).., .*(-.6 : '9* /((/071.3(&/* +'- $0 , , (7. '1'(7.-'+/-(* /3) /-1 R &7''7/* :/(7.-.) (7.;/3C9 *7.) 3('7.-'2'*'1 &7''7/* : ;.3 7.-0 (O.3*7 , ('(7. &'-6) &7'*.)'1 3 '3 *7/66 7/;. 3'' .3) N E'-3 '3 (7.2/38* '+ (7. 6. $ 7. &/* 4.(/E'1/3 '+ (7. '1/3*

' ?]?N ' U' I
' V? E)@' '' 1'" ' H[
' F)QE' '5 'W['
QC?N@C 9M) MCC)L)'O L @)')O
' (' * 'L7'G GW' ' DDLSC'>: '
?FUUU '@' I '' %DQ LF' ' [' e B
Q 5 ! ' $
' ' O ?C' ' W<' AG' O?D)' DU N QC

CDE' O)P)@QC OD c@L)CCC)Q)' ' , QP' '
(! '4 '! 'AB' JDC@D C 5 ?F' ?' F)QE'
' ' ;)QC?F D@' , 1 . ' ' ('
B . ' OO' <<< I' ' L ' F)QE' ' (0 '
' ' ' GWB GB[' ' F ' " ' B[
#
' F)QE' , ' " , ' W' D ' @?C ?'
L?P@ D' - F?' ' L ')5' G' <B

/3)' 7/)' /' 1 3:6.)' 7/(-.)' /3)' 0'3(.1,(' +'-' (7.' 3.&' E'-3.' '3' (7.' E'*,7'-9*' & (7' (*' 19*7-''1' /3)' .++.1 3/(.' 0 ; 6 */> ('3$' 7.'! !'' '+' B9;.3/6' -./,,./-*' 3'7 *'2 ((.-'-/ 66.-4' '+' (7.' .93907' 1 3 *(.-'' +' (7.' /*(.-3' 1, -.' /3)' '+' (7.' 0-3: 3:' *.-; 6 (4' '+' (7.' E40/3(3.' 3'26.*M' (' *' 6 ((6.' &'3).-' (7/(' 6/9) /3' &/*' (7.' +/;'9-(.' '+' (7.' '1/3' .3/(.N' *(66' ,/:/3' ('' (7.' 0'-.' /3)' ,-'+'93)64'%./6'9*' '+' (7.' /*(.-3'0/, (/6' *' ,'&.-*' &.-.' 6/; *7.)' '3' (7.' /07 .;.1.3(*' '+' (6 07'' &7'*.' ,'6 04' &/*' ('' 791'9-' (7.' .3/(.' 24' /' ,'6 (0').+.-.30.' ('' (*' /3(C9/(.)' ,-.-':/(;.*' .-.3/' (6 07'<*' &+.' &/*' 7 *' :-./(' +-.3)' /3)' ,/(-'3.**M' /3)' *' */)' ('' 7/;.' /--/3:.)' /' &./6(74' 1/(07' +'-' (7.' ,'.(' 3' /66' (7 *' 0 -06.' 7.' .5,.3)*' (7.' (-/) > ('3/6' '-3/1.3(' '+' =-..8' /3)' '1/3' 14(7'6':4' '-')'.*' 7.' 7.* (/(.' (''')'' (7.' */1.' +'-' (7.' 7-*(/3' ,-30.*' 7.')'* 9*' /3)' '3'-9*' &7'' &.-.' ,6.):.)' ('' (7.' .5(-,/('3' '+' /:/3*1' 7.-.' *' 7/-)64' /' 73(' 3' 6/9) /3' (7/(' (7.' '1/3' &'-6)' 7/*' '++0 /664' /)',(.)' /' +/ (7' 7'*(6.' (''' /66' 7 *' ,/:/3')-./1*' .' /,,./-*' ,6/0)64' 930'3*0 '9*' '+' (7.' :-./(' -.;'69('3' /3)' -.0/66*' '3'-9*' ('' (7.' .3/(.*' '+' (7.' /6/(3.N' /*' +' '1.' &/*' *(66' (7.' '1.'' +' 9:9*(9*

' +.&' 4./-*' /+(.-' (7.' .07,*.' '+' 6/9) /3' &.' 7/;.' /' :6 1,*.' +'-' /' 1' 1.3(' '+' /3'(7.-' ,/:/3' 1/3' '+' 6.((.-*' &7'' *' 3'&' 6((6.' 83'&3' 29(' &7'' *' (7.' 6/*(' :.39 3.' -.,-.*.3(/(;.' '+' (7.' '6)' ,/:/3' ('3.' 3' 6(.-/(9-.' 9(6 9*' /1/(/39*' &/*' '3.' '+' (7.' =/66 0' /-*('0-/04' &7'' 7/)' -.1/3.)' 93('907.)' 24' (7.' :-./(' 7-*(/3' .3(79* /*1'/-'9*.)' 24' ' /-(3' *' +/(7.-'N 7/)' 7.6)' 7:7' 1,-/6' '++0.' /3)' 7.' 7 1*.6+M' 7/)' 2..3' -2/3' ,-.+.0(' 3' V!V N' '364' *5' 4./-*' /+(.-' (7.' (-.307/3(' 6/&' 7/)' 2..3' ,926*7.)' &7 07' 0'3).13.)' ('' +3/6' -9 3' (7.' (.1,6.*' /3)' 1/:.*' '+' (7.' '6)' :')*' .' 7/)' 6 ;.)' 3' 3(1/(.' +-.3)> *7 ,' & (7' (7.' :-./(.*(' '1/3' 3'26.*$' /3)' (7.' +-/:1.3(' '+' 69*' ',' .1' &7 07' &.' ,'**.**' 0'1.*' (''9*' /*' /' *'6 (/-4' -.;.6/('3' '+' (7.-')..,.-'+..6 3:*' (' *' (7.' (/6.' '+' 7 *' 7'1.&/-)' ;'4/:.' (''=/96' 3' (7.' 4./-' V!@ N' &7.3' 7.' &/*' -.690(/3(64' 0'1,.66.)

' F)QE' ')- 05' 'WAB W G
' 1' 'GW_
' DD')@' @CL O ?@' EDE L) DE' O)D' PF? ?C CC N?' O?D) QN' OD D@ D' D' F) Q' (8' 'G_G[
' F)QE')5' A
$ K' '2 W' (0 '60 0' [_
' /Q F' -)N) ' '<I<' L' '<_<

&D' M)E' KDD@' L?@C@F) C' %QCL)D')@E' 5)D ' 4 K' b ' * ' 'AB' H"
' 1' 'G<_' _W
(' 1' ' G<_ GB[' _W' L' (' * ' U ' <' WH' M LM' C')EE DCCDE' ?' ,FK @QC' 5)D' 4 K' @' GB
' %M C' C' @ D DE' ?N' /Q F' ;)N) ' 'GW<'

24'(7.'-/;/:.*' &707' 7*' ,/(.-3/6' .*(/(.*' 7/)' *9++.-.)' +-'1'
(7.' 3;/).-*$'('6./;.'(7.'0(4'('&7'*.' :6).)'+/3.*'7.'6''8*'
2/08'& (7'-.6 : '9*';.3.-/('3'/3)',/(- '(0'-.:-.(

7.',.1'7/*' :-./('3(.-.*('+-'1'/',9-.64'6(.-/-4',' 3('+'
;.&' E9('&.'/-.'/(',-.*.3('0'30.-/.)''364'& (7'(7.'/9(7'-<*'
/((9).'('(7.',,'* 3:'0-..)*' E-.+'/3)'+-/:1.3(/-4'/*'('
*' (') *O6'*.*'1'-.'+'(7.' 33.-',/:/3'*.3(1.3('+'(7.'
/-*('0-/(0'O6/**' (7/3'(7.'1907'1'-.';'6991 3'9*',.(-4'+'
6/9) /3' 6/9) /3<*',/:/3*1'*'1'-.',9-.64'6(.-/-4F' (7/*'
(7.'/-'+'/3'9307/66.3:.)'*9,-.1/04' .'&-(.*'/*'+'7.'
2.6'3:.)'('(7.'/:.'+' -:6'/*'+' 7-*(/3(4'7/)'3.;.-'
.5*(.)' 3'(7.'-.6:'9*'0'3+6 0('+'7*'(1.'2.'*7'&*'(7.'
0/61'-.(0.30.'+' 411/079*''-' /0-'29*' .'*'.(7.-'('''
+966'+' '1/3',-).'('-.0':3*.'(7.'3.&'+/(7''-'('''096(>
;/(.)'('7/(.'(' 9(69*'*'/'1/3'+') ++.-.3('1'96)' .'
6.(*'9*'*..',6/ 364'(7.'&'-8 3:'+'7*'&3'1 3)'3'-.6:'9*'
92%.0('/3)'(7.'+..6 3:*'+'7*'O6/**'('&/-)*'(7'*.'&7''-.>
%.0(.)'(7.'6)'-.6:'3'+'(7.-'0'93(-4' 7/('*907'/',.1'
*7'96)' 7/;.'2..3',926*7.)'93).-'(7.' 7-*(/3'.1,-.'/3)'
(7/(' (*'/9(7'-'*7'96)' 7/;.'7.6)'(7.'7:7.*('++0.'*'/'*(/-(>
63:',-''+'+'(7.',.-**(.30.'+'(7.'6)' '1/3',-/0(0/6'('6.-/>
('3'+'+-..)'1'+'(7'9:7(

9(69*'*'+/(7+96'('(7.'6)'-.6:'%29('7.'*'3'(' (*'
6/;.M' '1.(1.'7.'&66'9,7'6)'(7.'6(.-/6'(-9(7'+'/'14(7'
'1.(1.*'7.'&66'9*.'(7.'6/3:9/:.'+' 97.1.-*1''-' .*1'
.')*,6/4*'3'+/0('(7/('15(9-.'+'*0.,(0*1'/3)'0-.)96(4'
'+'0'3+'-1(4'/3)'+-..'(7'9:7('&707'07/-/0(.-*.)'(7.'096(>
;/(.)',/:/3'+'-' 1/34'/:.*'2.+'-.'7*'(1.' E9('(7.-.'
'3''7.(/('3'3'(7.'('3.'3'&707'7.'*,./8*'+'(7.'
.3.1.*'+' /:/3*1' 3'*'1.'*0/(73:63.*N'7.':;.*';.3('
('(7.'0'30.3(-/(.)'7/(-.)'&707'&/*'+.6('24'7*'0/*(.'+'-'
(7.'1.-/'4'+'(607''' 7.'1,'9*'(-/('-'&7''29-3('(7.'
2466 3.'2''8*'/3)'+'-'7*'&3'*.6+*7'.3)*'6/)',.3'(7.'
7./-(7'/3)'0(/).6'+'(7.' 1,-.'('(7.'(-2.*'+'(7.' '-(7'*'
0'3*:3.)'('(7.'6'&.*(').,(7*'+' /-(/-9*' '(73:'0'96)'
*9-,/**'(7./61'*(2-9(/6'0'3(.1,(' &707' 9(69*'+..6*'(+'-

RQ)N F)')DEDL D&'ED@C'?'N FFD'OD)L C'
)@@QC'O)D D D)'Y)N' K'@?@QC'D)

b D' GGBI',4 "' %MD'L)O Q D'?'
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' /Q F'-)@)' 'A<
O)DCD@FDC'F)L NC' DD C'EDKDNQC') C
(' ' 'A<<' L' '_W
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(7.' B.&*J' & (7' '3.' '+' &7'1' 7.' 7/)' /3' .30'93(.-' 3' 7 *' &/3).- 3:*F' +'-' (7. -' '2*0.3.' - (.' '+' 3 (/('3' +'-' (7.' 6 *(6.**' *6'(7' '+' (7. -' /22/(7' *,.3(' 3' 0'1 1.1'-/('3' '+' /' = ')' &7'' &/*' &./-4' '+' 7 *' &'-8' '+' 0-./('3J' E9(' &7.3' 7.' *,./8*' '+' Q'(7.' 0'3C9.-.)' -/0.' (7/(' 0-9*7.*' (*' 0'3C9.-'-* R'N (7.-.' 0/3' 2.' 6((6.')'92(' (7/(' 7.' 7/*' 3' ; .&' (7.' -.6 : '3' &7 07' &/*' 0-9*7 3:' '9(' 7 *' '&3' 7.' *6/3)*' '+' (7.' 9*0/3' ./' &7 07' 7.' ,/**.)' 3' 7 *' ;'4/:.' *&/-1.)'U (7' 1'38 *7' .5 6.* $' &7'' 7/)' +'-*/8.3'+/1 64' /3)' ,926 0')9(4' +'-' /' 6+.' '+' ,-/4.-' /3)' *'6 (/-4' /*0.(0 *1' 7.' 1'38*' 3' (7'*.')/4*' &.-.' 7/-)64' %9):.)' .;.3' 24' (7. -' '&3' 0' -.6 : '3 *(*' (' (7.' +93.-/6' '+' E6/.* 66/ N' (7.')/9:7(.-' '+' /' :-./(' '1/3' 7'9*.' &7'' 7/)' & (7)-/&3' +-' 1' (7.' &'-6)' /3)' &/*' 2.6 .;.)' (''7/;.' *7'-(.3.)' 7.-' 6+.' 24' 7.-' /9*(.- (.*' (7.' 1'2' '+' '1.' 2-'8.' 3('' *7'9(*' '+' .5.0-/('3' /:/ 3*(' &7/(' (7.4' -.:/-).)' /*' /3' 3791/3'+/3/(0 *1' 7.' /;.-* '3' (''(7.' /*0.(0' 6+.' +.6(' 24' (7.' 096(;/(.)' 1/3' '+'(7.' &'-6)' *' .5,-.**.)' 3' 1'-.' 9-2/3.' +'-1' 24' 9*'3 9*' 3'7 *' 6.((.-*' '+' .5,'*(96/('3'('' /96 39*' E9(' (7/(' +..6 3:',-'2/264' 3.;.-' +'93)' 1'-.',' 3(.)' 9((.-/30.' (7/3' 3' (7.' 6 3.*' '+' 9(W 9*' 3' (7.' 7.-1 (*' '+' /,-/-/' 3' (7.' .4.*' '+' (7.' ,/:/3' 3'26.' /3)' '1/3',/(-'(' (7.4' /-.' &-.(07.*' &7'' & *7' ('' *0-..3' (7.1*.6;.*' +-'1' ('.<'2*.-;/3(' .4.*' &7'' 1/8.' (7.1*.6;.*' 1 *.-/26.' ('' /;')' 1 *.-4' &7'' &7 6.' (7.4' +6..' +-'1' (7.' 66*' '+' 6+.' /-.' 30/,/26.' '+' .3%'4 3:' (*' 26.** 3:* N' 9(6 9*' 7/)' 6((6.' 0'30.,('3' '+'(7.'+'-0.' /3)').*(34' '+'(7.' 1';.1.3(' &7 07' 7.').-).)

3' (7.' ,-/0(0.' '+' (7'*.' /-(*' &7 07' ,-'+.**.)' ('' 0'3(-'6' 3/(9-.'/3)' (''+'-.0/*(' (7.'+9(9-.' 3' (7.'.50 (.1.3(' '-''2*0.3 (4' '+'(7.'(7./(-.'/3)' (7.' 0-09*' (7.' 7./(7.3'*, -(' +'93)' /' *7.6(.-' 6'3:'/+(.-' (*' ,926 0'- (9/6' 7/)' 0./*.)

7.' 2.6 .+' 3' (7.' /-(*' '+' 1/:0') ; 3/('3' /3)' /*(-'6':4' &/*' ,-'2/264' (7.' 1'*(' 6 ; 3:' /3)' .3.-:.(0' +'-0.' 3' (7.' ,/:/9' *.3(1.3(' '+'(7.' (1.' 7.*.' ,-/0(0.*' 7/)' /6&/4*' 2..3' *9*

' /Q F' -)N) ' ' WH WIH'
MQN)@C')@N)F E)C?L)FD'LK)
'
CDO @)R@)DR@D'E DC' Q O'E)N@)' D D @?'
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\' & D ?@')5'WI'e' <' E?FD'bN) D "
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,.0($)'24' '1/3'*(/(.*1.3$' 7.'096(;/('3' '+' (7.1' &/*' 0'3).13.)' 93).-' (7.' *.;.-.*(' ,.3/6(.*' 24' (7.' 6.:*6/('3' '+' (7.' +'9-(7' /3)' +(7' 0.3(9-.*M' .(' (' &/*' 3.;.-' -./664' *9,,-.**.)'/3)' 3' (*' *(-/3:.' (.--'-*' /3)' *.)90('3*' (' ,.-> ,.(9/(.)'(7.',&.-' '+' 7./(7.3*1'+/-' 3('' (7.' 7-*(/3'/:.*N' (*'+/*0 3/('3'2'(7' ';.-' (7.'096(;/(.)'06/**' /3)' (7.';96:/-' &/*' 3.;.-' 1'-.' ,'&.-+96' (7/3' 3' (7.' +-*(').0/).' '+' (7.' +(7' 0.3(9-4M' 7.-.' *' 3'' 1'-.' *3:96/-' .,*').' 3' (7/(' (1.'+' 93*(/26.'2.6.+*'/3)' 930.-(/3',/-(4'63.*' (7/3' (7/(' 3' (7.' 4./-' VA"' &7.3' *'1.' 9*0/3'/).,(*' 7-' (7.' *.0-.(' /-(*' '++.-.)' (7.-' *.-;0.*' (''' '1,./39*',-.+.0(''+' '1.'('' */;.' (7.'0 (4'+-'1' (7.'='(7*M' 7.4'('6)' (7.',-.+.0(' 7'&'/'*7'-(' (1.'2.+'-.'(7.4'7/)'24' (7.-' *,.66*'0/66.)')'&3' (7.'6:7(3 3:N' /3)')-;.3' (7.'='(7*'/&/4'+-'1' (7.'&/66*'+' /'2.6./:9.-.)' ('&3' 7.',-.+.0(' 0'3*96(.)' (7.',3(+0/6' 2''8*'/3)'&/*' .;).3(64' 306 3.)'('' (-4' (7.'.++.0(''+' (7.'/30.3(' /-(*' E9(' (7.',-/0(0.''+' (7.1'&/*'*(.-364',-'7 2(.)N' /3$'/'-.0.3(' 6/&' 7/)' 6/)' /'*,.0/6'-.*,'3* 2 6 (4''3' (7.' 7:7.-' 1/:*(-/(.*' /3)' '3' (7.' 2*7',*'('' .3+'-0.' (7.',-'7 2('3' '1,./39*' 3' 7*')++ 096(4'*'9:7(' (7.' /);0.''+' 33'0.3('E*7',''+' '1.' 7*:-./(',3(++'&7''&/*'/6*''/':-./(',/(-'($))' 3'(*..'+(('' ',''*.' 7*'&3' ',3'3'('(7.'&*7.*''+' (7.',.',6.'/(*907'/' 0-**'29(7.'*(,96/(.)'(7/((7.1/:0' -(.*'*7'96)' 2.',.-+'-1.)'*.0-.(64' 7.' 9*0/3*'7'&.;.-' 3**(.)'(7/((7.-(9/6&'96)'3664'2.'.++0/0'9*'+',926064' ,.-+'-1.)'3'(7.'/,('6'/3)' 3'(7.'',.3'*,/0.*''+(7.'0(4' 3'(7.',-.*.30.''+'(7.'.3/(.'(7/(*'2..3'*9::.*(.)'(7/(' 33'0.3('+'-.*..3:'(7*':/;.'7*'0'3*.3(' 93).-'/'6.:/664' 1,'**26.'0'3)('3'('*/;.'(7.' 7-*(/3'0/9*.'+-'1'/3' '9(29-*('+',',96/-'7/(-.)' '&'(7.'1/((.-'.3).)'*' 930.-(/3' 7.' 7-*(/3'7*('-/3'*/4*'(7/('(7.'-(.*&.-' ,.-+'-1.)'29('(7/('(7.4',-';.)'93/;/63:N' 7.',/:/3' ^'* 19*'/++-1*'(7/('(7.'/)''+'(7.' 9*0/3*'&/*').063.)' 3'/34'0/*.'(7.'30).3('-.;./6*'(7.',.-**(.3('+'-0.''+',/:/3' *9,.-*((''3

' DD'1)Q T C'8,'%, 'O'_[',
'"'* 'U' 'GB
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$ 1'%' G' ?]?N'U'B' %FD'@)ND' ?'MD'OF)LD')OOD)C') ?QCFT))'-DTD)' 3) @)')@E'KT'L?@YDL Q D'-) @)'

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' ' '' *:' :' KM1A'33- 5,!'3938'
50 ;!' *>J" 0 ,' *0 33 - !00' '' '
M 53' :B!', 0' 062' DO'
f?C'G[

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7.' ,-', '*/6' '+' '1 , . /39*' &/*' /' :-'**' ; '6/('3' '+' 1/34' 6/&*' +-' 1' (7.' (1.' '+' '3*(/3(3.$' 7.' 0'3*96(/('3' '+' /' *..-') ; 3.-' '-' /34' ,-'+.**'-' '+' (7.' 1/: 0' /-(' &/*' 1/).' 24' '3*(/3(3*' /3' '++.30.' ,93 *7/26.' 24')./(7 M' ' * 1 6/-' ,.3/6(4' &/*').3'930.)' /:/ 3*(' (7' (- 2.' '+' /*(.-3' +'-(93.> (.66.-*' 24' /6.3(3 /3' /3)' /6.3*N' /3)' 3' *, (.' '+' (7.' :.3.-/6' ('6.-/('3' '+' 7./(7.3' &'-*7 ,' &7 07' 07/-/0(.- *.)' (7.' -96.' '+' (7.*.' 1 , .-'-*' /' -9(76.**' &/-' &/*' &/:.)' & (7' (7.' *.0-.(' /-(*' &7 07' &.-.' *9*, .0(.)' /*' 6.3) 3:' (7.1*.6;.*' ('' 0'3*, -/04' /:/ 3*(' (7.' 1 , .-'-$' 3.' 6/&' .*, .0 /664' '+' (7/(' (1.' -.6/(3:' ('' '++.3).-*' '+' (7.' *.3/('- /6' 06/**N' -.;./6*' &7/(' &/*' ,-'2/264' /' -./6' ,'6 (0/6')/3:.-' 7.' , .-*.09('3' ('' &7 07' ,7 6'*', 7.-*' /3)' ,-'+.**'-*' '+' .66.3 *1' &.-.' *92> %.0(.)' 3' (7.' -. :3' '+' /6.3*' 1/4' 7/;.' 7/)' *'1.' 0'33.0('3' & (7' (7.' 6/(.-' .', 6/('3 0' 096(;/('3' '+' 1/: 0' /3)')/-8' *9, .-> *(('3* N' 7.' ./-6 .-' 6.5/3)- 3.*' 0'3).13.)' (7.' 1/: 0' /-(* $' E9(' (' *' &.66' 83' &3' (7/(' 3' (7.' 6/(.-' */:.*' '+' .', 6/('3 *1' (7.' , '&.-' ('' & .6)' (7.' +'-0.*' '+' 3/(9-.' /3)' (' ,-.) 0(' (7.' +9(9-.' &/*' 1'-.' /3)' 1'-.' ', .364' 06/ 1.)' /*(3:' ,-/4.-' /3)' 14*(0/6' .6/('3' &.-.' (7'9:7(' (' 2-3:' (7.' ;'(/-4' 3(' 0'1193 0/('3' & (7' (7.' *9, .-3/(9-/6' , '&.-*' 7.' 3+69.30.' '+' (7.' *(/-*' '3' (7.' +'-(93.*' '+' 791/3' 6+.' &7 07' &/*').3 .)' 24' 6'(39*' 2.0/1.' /3' /-(06.' '+' +/ (7' & (7' 1/34' '+' 7 *' *900.**'-* N' 3' (7.' 7/3)*' '+' /5 19*' /3)' 7-4*/3(7 9*' /3)' (7.' 1.3' &7'' *9--'93).)' B96/3' .', 6/('3 *1' 6'*(' (*' , 7 6'*', 7 0' , 9-(4' /3)' .6.;/('3 N' /3)' (.3).)' 1'-.' /3)' 1'-.' ('' /2*'-2' (7.' 1'-.' 1/(.- /6 *(0' 0'30., ('3*' '+' , /:/3 *1 <N' 7.' (7.9-: 0' ; -(9.*

' (' * ' U' GB' G')@E' A' ?@C)@X @D' M?#D D ' OD N DE' 5 % 'C)L X LDC' ?' E @) ?@' ' RQ' D ?' E' ?K C' DU C N) C' L?@EQLD D')E D'))C' OQK' F L)C') RQD' EDFQK)

' 1' U' GB' 'C FD)' ?N@ KQC' OD ' OD Q?' E @)@E' ?Q ?C)C' '. D@ N' CQOOF L QN' L)O C' D D' PF)E ?' QF ? D' O ?C) QC' D L

W 1' U' GB' H

' , NN' 1) L' UU ' W' f?C' ' GW P DC')@' ED)' ?' ' MD' P ?Q@EC' ?' ' MD' . NOD ? C' CQCO L ?@' ?' ' MDCD' O)L LDC

$ (' * ' U' GB' G[' \ ED' D@) ? KQC' N)FD L' D C ^

$ 1)Q T' 8,' %, .' O' GAG

')LMD ? ' 8 C.0 ', =, , ' ' O' GG<' #MD D' MD' ?O @ ?@C' ?' ' 5? OMT T') D' CD' ? M' ' L' ' G _

' 1)L ?K' ' 0 ' '. 5' ' GI' A_' D' 5F? @QC' ' ' ' O ?@Q@L)' @ M F' ' DF' O? DC) D' D? QN' M?) @ KQC' D D@ D

')LMD ? ' ' G <' #MD D' MD' F?P L)F' ED DF?ON D@' ?' ' MD' KDF D' @' N)P L') C' D L ' C')LDE' ?N' MD' Q@E)ND@)F' O @L OFDC' ?' ' MD' CLM??F' 5F? @QC')@E' 5? OMT T' DL? FDE' ?N' MDCD' L?@CDX RQD@LDC' 7Q ' MD' E?L @D' ?' ' MD' Q@ D CD')C')' \ CTNO) MD L' #M?FD^' K?Q@E' ?PD MD' KT') @ DC' @D X)KFT' FDE' ?' MDQ PT' ?@' MD' ?@D' M)@E')@E' N)P ?' ?@' MD' ? MD' b)LM' ' G _"

1' ' G H' L' .Q@)O' ! ' , # 1 . ' O' GW b7? CC?@)ED C' DE "' #MD D' F)NKF LMQC' C' C) E' ?' M) D' CD@' G[' LQK C' ?N' MD' D) M' EQ @P' O)TD' bL ' O' GB"' @' MD' F D' ?' ' 1)U NQC

1 -/06.' /3)' 1/: 0' ';.-*7/)'&.)' (7.').(/07.)' /3)' 6'+(4'
).//6 *1' '+' (7.' ./-6 .-' 6.5/3)- 3.*' ' 9:9*(3.$' & (7'
7 *' 8..3',-/0(0/6' *.3*.' *(- 8.*' /(' (7 *').:-/).)' 6//('3 *1' /*'
(7.';.-4'7./-(' '+' (7.'7./(7.3',' * ('3'/3)',/-(096/-64'/(' (*'
)'0(- 3.' '+')/.1'3*' &7 07' &/*' (7.'+' 1)/('3' '+' (7.'2.6 .+' 3'
30/3(/('3*' /3)'1/: 0' 7.')/.1'3*' &.-.' (7.',' &.-*' /0(3:'
/*' 1.) /('-*' 2.(&..3' (7.':')*' &7'')&.66' /,/-(' 3' (7.'7 :7.*('
7./;.3' /3)'1'-(/6' 1.3N 6'3:' & (7' 0.-(/ 3') ; 3.' C9/6 (.*'
(7.')/.1'3*' 7/;.' /66' (7.' ,/** '3*' '+' 791/3 (4FN (7.4' /-.'
-- (/(.)' 24' 3.:6.0(' '-' *''(7.)' /3)' ,-', (/(.)' 24' : +(*' /3)'
/0- +0 /6' - (.$' -'1' (7.1' 0'1.*' (7.' 83'&6.):.' '+' (7.'
+9(9-.' 24' /9:9-4' /3)')-./1*' /3)' (7.' ,'&.-' ('' 0'11/3)'
(7.' .6.1.3(*' 24' '0096(' /-(*' *'3:*' 30/3(/('3*' /3)' ,'('3*'
7.' 3'(.&'-(74' (73:' *' (7/(' 3' 0'3).133:' (7 *' 2/6.+96'
9,.-(('3' (7.' 7-*(/3' '+(.3' *7'&.)' (7/(' 7.' 7/)' C9(.'
/*' 1907' +/ (7' 3')/.1'30' ,'&.-*' /*' (7.',/:/3'7/)N '3>
(/3(3' (7-./(.3*' & (7').//(7' (7'*.' &7'')/-.' ('') *(9-2' (7.'
.6.1.3(*' '-' ('' 0/66' +'-(7' (7.'*, -(*' '+' (7.').//)' 24' 1/: 0'
*,.66*N ' 9:9*(3.'-.:/-).)' (7.*.' 2. 3:*' /*' *, -(*' 2/3 *7.)'
+-'1'7./;.3' +'-' 93,/-)'3/26.' *3' &7'' 24') /2'6 0').0. (' 7/)'
,.-*9/).)' 1.3' ('' : ;.' (7.1') ; 3.' 7'3'9-*$

7.'6/&' '+' VA#' '-).- 3:' (7.' .5,96* '3' '+' (7.' /(7.1/(0'
+-'1' '1.' /3)' /66' 0(.*' '+' (/64' &/*' ,-'2/264' *9::.*(.)' 24'
',.' 33'0.3(N ('' ,-.;.3(' /' -.,.(('3' '+' (7/(' ,/ 3+96' *0.3.' '+'
9,.-(('9*' '2*.-;/30.' /(' &7 07' 7.' 1/4' 7/;.' 7/)' ('' 0'33 ;.'
E9(' (7.' (7-./(*' '+' '3'-9*N' &7 6.' (7.4' 1/4' 7/;.')- ;.3'
1/34' '+' (7.'0-'&)' '+') ; 3.-*' /3)' *'-0.-.-*' 3('' -.1'(.'0'93(-4'
,6/0.*' 9((.-64' +/ 6.)' ('' .5(3:9 *7' (7.' *9,.-*(('3' /3)' 1.3'
.;.3' 3' 7 :7' *(/('3'6'3:' 0'3(39.)' ('' ,-/0(*.' (7.' +'-2)).3'
-(.*' & (7' 1,93 (4' 7.'6./) 3:' 1.12.-*' '+' (7.':';.-31.3(

)@' N)PD' ?' &DL) D' K D)SC' @ ?' CN FDC'
Q@ED' MD' @ FQD@LD' ?' @L)@) ?@
bO' BG"
' F' (!'4 ' 'G' X
')LMD ?' ' GA_' ' 1)Q T' 8,'
% 'O' H_
' F' (!' 4.' ' G' M)KD@'
D@ N' LQN' E C' L?NNQ@DN' NN?)'
F) DN' L? O? QN')@ N? QN')Q DN'
LQN' M?N @ KQC' O)CC ?@DC
' 1' 'GB' E L' b5F) ?@ L C'"
)E' D?7' OD @D D' E @) ?@DC')QPQ QN'
) Q)O LQN') QN') U'QD' C?N@ ? Q)'
)K' M C' RQ?RQD' DCCD' N)LQF)' N)P?@ N
\' 1)Q T' O' II' %F D' M C)@

E?L ? C'#D D'?@FT' ?FF?# @P' MD'&DK) L'
)E ?@' ?@' M C' CQK'YDL
' (' * ' U' GB' <' NQF' N)P L C'
) KQC')QC' DFDND@)' Q M) D')C'
QC?@ QN' F)KD)L) D' @?@' EQK)@ '
D L
' F' (!' 4 ' AA' RQ)' ED'
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ND ?' @ DP DCC K F C')@CP DCC K@ C'
@' M?L' C K' ??@P Q?' DFQ' L) DD C' O)D'
E)NQ) ' CQ@
H ' U' GB' GA' f?C' ' G
H (' * ' U' GB' GA' @?@' C?FQN' Q KD'
/?N)' CDE' D)N' ?N@ KQC' L) KQC'
ODFF' EDLD @)QC

.*(/26 *7.)' 24' (7.' '-).-' '+' 6/- 0' &.-').;'(.)' ('' (7.' 26/08' /-(*' ((/69*' (7.' 3.&' 1,.-'-' &/*' -./)4' ('' /00.,(' /' 3'1 3/6' 7-*(/3 (4F 29(' 7.' 2.6'3:.)' ('' (7.' 0-'&)' '+'*0.,(0*' &7'*.' '364' -./6'+/ (7' &/*' 3' .66.3 *1' /3)' /*(-'6':4' '-' 1/: 0' 7.3' 6/- 0' & *7.)' ('' *.3)' (-'',*' ;.-' (''+- 0/' 3' '-).-' ('' 0-9*7' .-/06 /3' (7.' /)7.-.3(' '+' '3'- 9*' ((/69*' -.6.)' 1'-.' '3' (7.',-'1 *.*' '+') ; 3.-*$' &7'' ('6)' 7 1' (7/(' 7.' 0'96)' 2.0'1.' 1/*(.-' '+' +- 0/' & (7'9(' /' 0'3+6 0(' (7/3' '3' (7.' 0'93*.6*' '+' /' *.- '9*' *(/(.*1/3*7 ,' /1,/) 9*' (7.' -.('- /3' ,-.+.0(' 3' (7*' * 3:96/-':';.-31.3(' &/*' /*' &.' 7/;.'*..3' (7.'+- .3)' /3)' 0'--.*,'3).3(' '+' ' 9:9*(3.' &7'' 6/2'9-.)' ('' 0'3;.-(' 7 1' +-'1' 7 *' 2.6.+' 3' /*(-'6':4 N' 7.' 1/**' '+' (7.' '1/3' /-*('> 0-/04' & (7' (7.' 669*(- '9*' .50.,('3'+' (7.':-./(' 7-*(/3' 7'9*.' '+' (7.' 30 N' -.%' 0.)' 3' (7.' /);.3(' (''','&.-' '+' (7 *' *(-/3:.' /66 /30.' '+' -/3' 7-*(/3 (4') 6.((/3(.' .66.3 0' 096(9-.' /3)' 7/6)/./3' *9,.-*((' 3' '92(6.**' /*' &.' *7/66' *..' 3' /' 6/(.-' ,/:.' (7.-.' &/*' /' ,9-.-' /3)' 1'-.' -.*,.0(/26.' .6.1.3(' 3' (7.' +'-0.' '+' (7.' 6/*(' ,/:/3' -./0('3' 7.-.' &/*' /' -./6' ,/(-'(0' +..6 3:' /' -./6' -.6:'9*').;'('3'/3)' /' ,7 6'*',7 0' (7.'6':4' &7 07' 7'&.;.-' /-)' /3)' (''9-' 1 3)*' 93 3*,-3:' 4.(' .3/26.)' (7.' 3'26.-'*'-(' (''1/3(/ 3' (7.-' 7'6)' '3' (7.'+/ (7' '+' (7.',/*(' &7 6.' (7.4',9(''9(''+'*:7(' (*':-'**.-'.6.1.3(*' E9(' (7.' 2/*.-' +'-1' '+' /30.3(' *9,.-*((' 3' &/*',-'2/264' (7.'1''*(' (.3/0'9*' /3)' .3.-:.(0' '' ,.3/6' 6.:*6/('3' 0'96)' .-/)0/(.' (7.' 2.6.+' 7.6)' /6 8.' 24' (7.' 1''*(' .)90/(.)' /3)' (7.' 1''*(' :3'-/3(' (7/(' (7.-.' &/*' /' 6'-.' &7 07' 0'96)' 0'3(-'6' (7.' ',.-/('3*' '+' 3/(9-.'/3)' 0'1,.6' (7.'+9(9-.'('' 93;.6' (*'*.0-.(*' 3' (7.';.-4' 4./-' &7.3' (7.' 6/*(' '+' (7.' /3(,/:/3' 6/&*' &/*',926*7.)' ('-9*' (7.' 6.9(.3/3(' '+' 0(9*' 3' 7*' 0'3+6 0(' & (7' (7.' *:'(7*' &/*' 6.)' (''7*').*(-90('3' 93).-' (7.' &/66*' '+' '96'9*.' 24' (-9*(3:' (''9*.' (7.' &'-)*' '+' (7.' 7-'3 06.T' Q' 3' (7.' -.*,'3*.*' '+' *.-*' /3)' (6.' 1'3('3*' '+')/.1'3*R' 364' /' 4./-' '-' (&'' 2.+'-.' (7.'+/66' '+' (7.' .*(.-3' 1,-.N' /1,-)9*' /3' /00'1,6*7.)' 1/3' '+' 6.((.-*' /(' E'-)./95' /3)' '3.' '+' (7.' 1''*(' /)1 -.)' /3)' (-9*(.)' +- .3)*' '+')'3(*' (7.

' f?C' ' _' , ' ' ' ?C 3 A* !'
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CO LQN' DCO?@C')' D' E)DN?@QN' C P@ '
L) ?@KQC' E' OQP)N' LQN' J? K C'
NO QED@ D'L?@CD Q' D L
' E' 5' ' GG

& '96) ' 19(6/(.' (7.1*.6;.* $' /3)' 29-4' (7.1*.6;.*' 3' /34' -.(-./(' ('' .*0/,.' 1 6 (/-4' *.-; 0. N' .(' (7 *' 3.-;.6.**' /3)' .++. 1 3/(.' 1'2' 7/)' 2..3' 3)96:.)' 24' *900.** ;.' .1,.-'-*' & (7' (7.*.' -.;'6(3:' /(-'0 (.*' ;.3' (7.' :-./(.*(' /3)' 2.*(' ,-30.*' 7/)' (''' */(*+4' (7.' 0-/; 3:$' '+' /' ,-'6.(/- /(' & 7 07' ,-'2/264' 7/)' 1'-.' '+' Q'(7.' /,.' /3)' (:.-'R' (7/3' /34' (7/(' .;.-' .5 *(.)' -/%/3' & (7' (7.' /,,-';/6' '+' (7.' 791/3.' 6 34' 7/)' /+(.-' 7 *' /0 /3' ; 0('- .*' *.3(')'&3' !A AAA' :6/) /('-*' 3(''' (7.' /-.3/N' ' 9-.6 9*' 3' (7.' ,.-+'-1/30.' '+' *'0 /6')9(4' :/;.' :6/) /('- /6' *7'&*' 7 1*.6+ M' /3)' /((.3).)' (7.1' (7'9:7' 3' /' ,.-+930('-4' /3)' -.690(/3(' +/*7 '3' E9('(7.',.',6.' &.-.' '++.3).)' &7.3' 7.' (9-3.)' /&/4' (''' -./)' '-',.3').*,/(07.*' 3' (7.' /1,7(7./(-.F' /3)' &7.3' 7.' .3-'66.)' (7.' :6/) /('-*' +'-' (7.' /-0'1/33 0' &/-N' 1.3' */)' & (7' /' *3..-' (7/(' 7.' 7/)') 1 3 *7.)' (7.' ,6./*9-.*' '+' (7.' ,.',6.' 3' '-).-' (''' 0'3;.-(' (7.1' (''' ,7 6'*',74' 7.' 1,.-'-' '3*(/3(3.' 3' (7.' 4./-' '+' (7.' '930 6' '+' 0/./' -.*(-/ 3.)' 24' /3' /12 :9> '9*' .)0(N' (7 *' 0-9.6' /19*.1.3(' 3' (7.' /*(.-3' 1,-.' E9(' 3' (7.' .*(' (' &.3(' '3' /61'*(' 9307.08.)' /6.3(3/3' 3)..)' +'-2/).' 7-*(/3*' (''' 2.' 0'3).13.)' (''' (7.':6/) /('-/6' *07''6' /*' /',93*71.3(' +'-' 0-1.$' 3)' 3' ?@ ' 1.12.-*' '+' (7.' /6/(3.'*.-;0.' &.-./6*''.5.1,(.)' +-'1' (7 *' +/(.N' E9(' (7.'.6).-' 7.')'* 9*'))' 3'(' /2'6*7' (7.' 3791/3' *,.0(/06.N' &7.3' 7.' 3(.-) 0(.)' (7.',./0.+96' &'-*7 ,'' '+' (7.',/:/3' (.1,6.*' 3' (7.'6/*(' 4./-*' '+' (7.' +'9-(7' 0.3(9-4MN' 41 1/079*' 7/)' /(':-./(' (-'926.' /3)' .5,.3*. MM' /--/3:.)' +'-' /' :6/) /('- /6' 0'12/(' /(' (7.' :/1.*' &7 07' &.-.' (''' 0.6.2-/(.' 7 *' *'3<*' ,-/.('-*7 ,' E9(' (7.' 2/3)' '+' /5'3*' &7''' 7/)' 2..3' 2-'9:7(' +-'1' (7.' *7'-.*' '+' (7.' E/6(0' (''' :-/0.' (7.' +.*(;/6' -.+9*.)' (''' :-/(+4' (7.' 1'2' '+' '1.' 24' /',926 0' .57 2 ('3' '+' (7.-' + :7(3:',' &.-*' /3)' ,-.+.1)' /' C9 .(').(/(7' 3' (7.-' 0.66*' 3' (7.' 4./-' VAV' (7.' 3/9:9-/('3' '+' (7.' * 5(7' 0'3*96*7 ,' '+' '3'- 9*' &/*' (''' 2.' 0.6.2-/(.)' 24

' (' * ' ' GW' G[' \ ED' 1 Q L C^ ' ? ',NN' 1) L' U ' GA' W
$ (' * ' ' ' YH' 5,
$ 8 ?@')CC' U 3' ?' G<' =, 9 0!03- =0'5 50' 32<!,,!*"
' 0)O ?F @'%' ' B' ? ')O ?F @' ' ' ' GA' ' ?O' - . ' L' WW
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' DD' J?ED ?T C' D Q) ?@' ? ' 7) ?@ @)' ?@' M C' CQK YDL ' @' MD' @? D' ?' ' GA' G
O@' MD' E) D' CDD' DDLS C' ':9 ' UU ' %MD' P) NDC' E E' @? ')SD' OF)LD' 4F' [G
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(7. 03 *(' 1 /-4 */0- + 0. ' +6 +. -9) .3(9* ,6. /) .) & (7 (7. 1 , . - ' -' (' /2'6 *7 (7. :7/*(64 - (. /* 7 * +/(7. -2/) *(' , , .) (7. */0- + 0. ' + /3 1 /6* /((7. /6(/ - 7. , '. (<* , -/4. - &/* /3*&. - .) 3 '(24 (7. & 66 ' + '3 ' - 9* 29(24 (7. 1 /-(4-) ' 1 ' +(7. 7. - ' 0 1 '38 &7 ' +693 : 7 1 *. 6+ 3(' (7. /-. 3/ /3)) .) /1) (7. 09-*. * ' + (7. 1 '2 &7 '*. 0-9. 6 ,6. /*9-. * 7. 7/)) /-.) (' 3(. --9, (

E9(. ; . 3 &7. 3 (7. 0-9. 6(. * ' + (7. /-. 3/ &. - . /2'6 *7.) (7. 0 -09* /3) (7. (7. /(-. 1 / 3(/ 3.) + ' - / 6'3 : (1. (7. -) /3 : . - '9* /((-/0('3* 7. ' 1 /3 , /** '3 +' - (7. *. * , . 0(/06. * & /* ' + 1 /-; . 66 '9* 3(. 3* (4 7. /9*(. - . , /: /3 1 1 /39* /-0. 66 39* N -. 6/(. * (7/((/(/ (1. &7. 3 +/1 3. &/* (7-. /(. 3 3 : /3) &7. 3 + '-. : 3. -* 3069) 3 : (7. Q , - '+. ** '- * ' + (7. 6 2. -/6 /-(* R &. - . ' -) . - .) (' & (7) -/& +- ' 1 (7. 0 (4 (7-. . (7 '9* /3)) /30 3 : : -6* &. - . /66 '&.) (' -. 1 / 3 '3 : /+(. - (7. (1. ' + &7 07 1 1 /39* &- '(. (7. , /** '3 +' - (7. 692- 0 (4 ' + (7. *(/ : .) .+ .) /66 (7. /9(7 '- (4 /3) 1 '-/6 3+69. 30. ' + (7. 7- *(/3 79-07 N -'* 9* /3) /6; /39* -. : /-) .) (7. (7. /(-. /* / 1 '-. * . - '9*) /3 : . - (7/3 . ; . 3 (7. 3; /* '3* ' + (7. 2/-2/- /3* 9 : 9*(3. 7/) (' 0 '1 , 6/ 3 (7/((7. +- 0/3 079-07. * & . - . ' +(. 3 . 1 , (.) 24 (7. /((-/0('3* ' + (7. *. , . 0(/06. *)'3 9* 6/(. 3 (7. 0.3(9-4 $) . *0- 2. * (7.) '92(+96 .57 2 ('3* ' + 14(7'6' : 0/6 , /3('1 1. /* + (7.4 & . - . *(66 3 +966 6 +. /3) ; : '9-

7. &7'6. ' + (7. 1 , . - /6 6. : *6/('3* & (7 - . : /-) (' /0('-* *7'& * /('30. (7.) . : -/) /('3 ' + (7. '1/3 *(/ : . /3) (7. *(922'-3 /((/071. 3(' + (7. , . ', 6. (' (7. 3). *0- 2/26. . 3'-1 (. * , . -, . (-/(.) 3 (7. 3/1. ' + /-(7. &'-*(*'0 /6 09-*. ' ' + (7. '&. - 1 , -. (7. 7. -.) (/-4 07/-/0(. - ' + 3. /-64 /66 0/66 3 : * 7/) 6. +(, . -7/, * (*) . . , . *(2-/3) '3 (7. /0('-<* , -'+. ** '3 -. /(.) /* (7. ; 6. *(' + 1/38 3) 4. ((7. 3>) *, . 3*/26. 1 3 *(. - ((' (7. , 6. /*9-. * ' + (7. , . ', 6. 7. &/* 07/ 3.) (' 7 * 0/66 3 : +-' 1 : . 3. -/('3 (' : . 3. -/('3 N 7. 79-07 +'9:7('3. ' + (* 3'26. *(2/((6. * (' -. 6. /*. (7. *. 937/, , 4 *6/; . * ' + /0-9. 6 ; '69, (9'9*3. ** F /3) (7. 7/3) ' +

(0 , ' '2 ' GGA
FFD Q KDN D Q ') Q ? QN C) @PQ @D @P '
c1C6D) N) DL : QN ' 4?N QQN Q 1 KD ?

8('58
) c ' EL JQK ' 8D ' ' 3' ' E' (, ' UU ' AB ' CYY ' DCO

' AHB
CDQ 3DE) N R@ C) P ' 5M TPDNRQD MDKQN
)) QC) E LT) M?C) L ' %?@) @ '
) QD? QDD) CDCCD EQ L ? DN
'%D Q 4 ' OLL ' G[' G_
$ 'W ' U ' J?ED ?T C5))
F?@) @EQ? D) ' L ') 4?@ CLF)) YD

' 12-'*.' *') *(30(64' *..3' 3' *'1 . '+' (7.' 6/&*' **9.)'
)9- 3:'7 *' :-./(' ., *0',/(. $' L 7.M2 *7',*' '+'` +-0/a' &7.-.'(7.'
/669-.1.-+(: B'+' (7.' (7./(-.' &.-.' 1'*(' ,'&.-+9664' +.6(M' 3.;.-'
+/ 6.)' ('' ,-.**' (7.' O6/ 1*' '+' 791/3 (4' /3)' 1'-/6 (4''7' (7.'
('6)' '3'-9' E9(' (7.-' .++'-(*' *..1' ('' 7/;.' 2..3' 66'
-.&/-).)' +'-' 3' V!?' (7.' 1,.-'-' '-).-*' (7.' Q -293.' '+'
6./*9-.*'Z' /(' /-(7/:.' ('' -.0/66' ('' (7.-' &-.(07.)' (-/).' (7.'
/O(-.**.*' &7'' 7/)' 24' Q 1,.-/6' 8 3)3.** R' 2..3' ,-.; '9*64'
-.6./*.) N' -'1'(7.'(1.'+' /6.3(3/3' ' ? !T'(7.' 79-07'
7/)' 3)..)':/3.)'/':-./(';0('-4M' 7.'/0(-.**'&7''', .J9 0
0 '/*8.)'+'-'/3)'-.0.;.)'(7.'6/*(**/0-/1.3(*'&/*'3'('('
2.')-/:.:.)'7/08'/:/3' 3'0/*.''+'-.0';.-4'('' 7.-'7/(.+966'6+.'
E 66'(7.'',.-/('3''+' (7.'6/&' *' :9/-).)' 24'0/-.+96',-'; * '3*'
('',-.;.3(' (7.'7'64'-(.*').,-;3:'(7.',.',6.''+' /3'/((-/0(;.'
/-(*(.N' ;.3'(7.'6/&'&7 07'&/*',-'2/264'.5('-(.)'24'(7.'
.3.-:4''+' 12-'*.' 3'?"A',-';).*'(7/('/0(-.**.*'&7''7/;.'
3'(',-'+.**.)' 7-*(/3(4-'*7/66'7/;.'3''-.6./*.' 3)'(7.'6/;'
'+'?"!'0'11/3)*'(7/(' +'/3'/0(-.**'24',-'+.** 3:' 7-*(/3(4'
7/*' .09-.)' 7.-'.1/30,/('3'29('7/*'-.6/,*.)' 3('';0.'*7.'
7/66'2.'-.0/66.)'('(7./(-0/6'.-;(9).'+'-'.;.-F' /3)'(7bD'0'6)'
0-9.6'7/-)3.**'+'(7.'6/3:9/:.''+'(7*'6/&'*7'&*' /3' 3791/3'
0'3(.1,(' +'-' /' O6/**' &7'1'*'0.(4')''1.)' ('' ;0.' /3)'
,93*7.)'+'-'2.3:';0'9*N' ('&'96)'2.'/19*3:' +' (' &.-.'
3'(',/3+96'('' 3'(0.'(7.'0/-.'&(7' &7 07'(7.' 1,.-'-'-.:9>
6/(.*'(7.')-.**'+'/O(-.**.*$'&(7'29('6((6.'0/-.'+'-'(7.-'1'-/6*'
936.**'(7.4'0/3'*(./6' 3('' (7.' 79-07'24'1./3*' '+' (7.'*/0-/>
1.3(*' 7.' 1,.-'-<*'*.3*.''+') :3(4''-',.-7/,*'/'6 3:.-3:'
0'3*0'9*3.**' '+') ;3(4'0/9*.* 7 1' 3' ?#V N' ('' 2/3*7' /66'
,0(9-.*'+'(7./(-0/6',.-+'-1.-*'+-'1'(7.'3.:72'9-7'')'+'7*'
'&3'Q'*/0-.)'R'*(/(9.*' E9('(7.'(7./(-.'/3)'(7.'0-09*'&.-.'L
('') ./-'('(7.',.',6.'('' 2.'0-9*7.)'24'/34'/9(7'-(4'29('(7.'
:-'& 3:',' &.-'+'(7.' 7 -07' 3)'.;.3'(7.' 79-07'+'93) (

G DD' J?ED ?TC'@? D' ?'U' * ' U '
')F ' Q' ? 1'4 ' 'e' BI
W "' * ' = ' _' GW
' 1' = ' _' G
$ DD' J?ED ?TC'@? D' ' 'O' GA
' (' * ' = ' _' ' P D@') ' 1 F)@' '
CDD' J?ED ?TC'@? D' 1'U ' 'H' EDX
)LC'@'OQFO QN'C@D'COD')KC?FQ ?@C'
QFF QC' K'D?QCRQD'OD N)@D)'E?@DD')@QC'
E LQF)' CD@DL Q D' ED ? N C' @DD' Q@D
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RQ)N'L)C)'DCCD' @?@' O?CC ' ? ' /)QC'
LMD@' , 1 . ' ' (' B . '
OO' BH' IG' ' '
W "' * ' = ' _' GG' M C RQ?RQD'
DC KQC' @? D @ '_')KC @D@E N' RQ)C'
J)DL?'@?N @D')'3) @?' QC)C' OL)@ '
D L' ? '= ' _'GA'K C' FFQE')E Y L)QC' '
@ N)D' OQKF LL' F)K Q' D) QN' P @QN'
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&,5' ' * ''8 ' *'("&/8 (*'' * 6'*6)')% $) I

)' M) E')CS' ?' L QCM' MD 4F)F)@QC' C' MD E L)F')@E' MD' M)C')' '' ' 7Q ' ?@' 'N) D C' ?' @? ? ?QC')L ' M C' DC N?@T' 'NQC ' KD')LLDO DE ' ,@E' MD' DFFC' QC ' M) ' MD' M C)@)' #D D' @EQFP @P' @' MD' N)E@DCC' ?' MD' L LQC')@E' MD' #)@ ?@@DCC' ? ' MD' MD) D ' #MD@' MD') NC' ?' MD')@E)FC' #D D' @P @P' ?Q@E' MD' #)FFC' ? ') M)PD')@E')')@E' M) ' MD')OOF)QCD' ? ' MD' CODL) ? C' #)C' N @PFDE' # M' MD' P ?)@C' ? ' MD' ET @P')@E' MD' K) FD L DC' ? ' MD' KDC DPD C

'4 '" 1'4 ' 'ee' BI '_G')P? ' Q@EDK) Q ' ?U' N? D@ QN' ?]R@D' Q ')' E UD N ' DU)' NQ ?)' D ' @)' K)LLM)@ QN' ' ' NQ ?C' O)DF ? QN' D ' FQE L ? QN ' L?@

&,5' FF (" & * $ " 7) $ ' + " & * 6) (* $) " / $ " %) BG

*' ' 3 9 , ' 3 (7. 0 ' 3 + *0/(' 3 ' + (7. (. 1 , 6. * /3) */0-.) -.;.39.*
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3912.-* &7' &.-. *(66 /(((/07.) (' (7. '6) +/ (7 &7' 7/)
9++.-.) 3 +'-(1.24(7. 3;/ '3 /3) 1/34 '+ &7'1 7/) +6.)
3(' -.1'(. .5 6. $ 7.2((.-3.** '+ (7.'-.6 : '9* 0'3+6 0(&/*
3(.3* + .) /3) (7. 0/9*.* '+ (7. 93.5/1 ,6.) 0/(/*(-',7.
2.0/1. (7. *92%.0('+ (7.6/*(:-./(0'3(-';.-*4 2.(&..3 (7.
', '* 3: 0-..)* -'1 (7.(1. '+ 9-.6 9* (7. ,/:/3
0'3(-';.-* /6 *(* &.-. 3 (7. 7/2 ('+ /((- 29(3: ,926 0
0/6/1 (.* (' /,'*(/*4 +-'1 (7. 3/('3/6 +/ (7 N 3 (7.
'009--.30. '+ /' +/1 3. '- ,.*(6.30. (7. 1'2 2-'8. 3('
(7-./(* /3) .5.0-/('3* /:/ 3*((7. 7- *(/3* 7. &/-' '+
*',7 *(-4 7/) :'3. '3 & (7. .;.-' ;/-4 3: *92(6.(4 /00'-) 3:
(' (7. +'-(93.* '+ (7. 1, -. /((7.(1. 7. (-9. '1/3
&/* 306 3.) ('%9) :./ -.6 : '3 24 (* 1/(.- /6 -.*96(* N *
:') * &.-. .5,.0(.) (' 2. '+ 9*. (' (7. - &'-*7 , ,.- &7'
,9-07/*.) (7. - 7.6,' /3) +/;'9- 24 */0- + 0 /6 : +(/3) '2*.-;>
/30. . 0'96) 3'(93).-*(/3) (7. 7- *(/3 (7.'-4 M (7/(
0/6/1 (4 1 :7(2. *.3(24 ./;.3 +'- (7. :'') '+ (7.
9++.-.- .30. 7. 3/(9-/664 /((- 29(.) (7. :-'& 3: (-'926.
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'+' .;.-4').:-..' (7.4' &'96)' ,-';.' (7.' */6;/('3' '+' (7.' (/(.' 7.').0/4' '+' (7.' '1/3'0'11'3&./6(7' 2.:/3'6'3:'2.+'-.' (7.' 0'1 3:' '+' 7-*(' 3' (7.').0/4' '+' (7.' '6)' '1/3'1'-/6(4' 3' (7.' *,-./)' '+' ;.3/6(4' /3)' 60.30.' &707' /-.').*0-2.)' 3' *0/(73:' (.-1*' 24' 7./(7.3' 1'-/6*(*' /3)' */(-*(*$ 7(7.-' 7./*8*' 1 :7(' 3'(' (7*' ( ).' '+' 791/3').,-/; (4' 7/;.' 7'1.' 9*' +' (7.-.' 7/)' 3'(' 2..3',6/3(.)' /2';.' (' /66' (7.' -'**'24'06 3: 3:' ('' &707' &.' 1 :7(' */;.' '9-*.6;.*' +-'1' 2. 3:' *&.,(' 3('' (7.' /24**H' Q 3' (7*' 1'-/**' '+' ;0.' (7*').0/4' '+' (7.' /30.3(') *0,63.' (7.-.' &/*' 3..)' +'-' /9(7'-(4' +-'1' '3' 7:7' ('' 2-3:'7'1.' (7.'6.**'3' '+' ;'693(/-4' ,';.-(4'07/*((4'2.3.;'6> .30.'%9*(0.'0'30'-)'-./6', .(4'/66' (7.'2-:7(3.**'/3)'*(-.3:(7' '+' ;-(9.F /3)' (7/(' 3'(' 1.-.64' +'-' (7.' ;-(9'9*' 0'3)90(' '+' (7*' 6+.' 3'-' ('' *.09-.' 0'1,6.(.' 7/-1'34' 3' (7.' ./-(764' 0'11'3&./6(7' 29(' /6*'' ('' '2(/3' .(.-3/6' */6;/('3' /3)' /)1 ** '3' ('' /' 0.6.*(/6' 0'11'3&./6(7' &707' *7/66' 83'&'3'' .3)' ('' &7'*.' 0(0.3*7,' &.' /-.' %' 3.)' 24' +/(7' 7',.' /3)' 07/-(4' '' /*' 6'3:' /*' &.' /-.' *(-/3:.-*' /3)' *'%'9-3.-*' &.' 19*(' .3)9-.' +' &.' 0/33'(' /1.3)' (7'*.' &7'' & *7' (''.*(/26*7' (7.' *(/(.' '3' (7.' +'93)/('3' '+' /3' 1,93(4' '+' ;0.F &7.-./*' (7.' ./-64' '1/3*' +'93).)' /3)' :/;.' (' :-./(3.**' 24' (7.-' ;-(9.*' (' *' (-9.' (7.4' 7/)' 3'(' (-9.').;'('3' (''' (7.' (-9.' =')' (''' :9).' (7.1' (''' (7.' (.-3/6' (4' .(')' (7.4' 7'6)' +/*(''' /'0.-(/3' 32-.)',-'2(4'&707'1 :7(' *9++0.' (''' .*(/26*7' (7.' ./-(764' 0(4' /3)' :;.' (' :6'-4' /3)' */+.(4' ='')' (79*').*-.)' (''' *7'&' 3' (7.' &./6(74' /3)' :6'-'9*' .1,-.' '+' '1.' 7'&'1907' /;/6.)' (7.' 0;0';-(9.*'.;.3' & (7'9(' (-9.'-.6:'3' 3''-).-' (''1/8.' 1.3' 93).-*(/3)' (7/(' &7.3' (7/(' &/*' /)).)' 1.3' 1 :7(' 2.0'1.'0(0.3*' '+' /3'(7.-'*(/(.' '+' &707' (7.' 83:' *' (-9(7' (7.'6/&' *'6';.' /3)' .(.-3(4' (7.'2'9-3R

7.' (2' 03' ?0').)0/(.)' (''' /-0. 39*'&/*'2.:93' 3' V!?'/3)'3'(' +3*7.)' ('V[@N'+'9-'4./-*'2.+'-.' (7.' /9(7'-<*').(7' ('7/*'*'1.'+' (7.'+/96(*' &707' &.' 1 :7(' .5,.0(' +-'1' &7/(' 9:9*(3.' (.66*' 9*' '+' (7.')*(-/0('3*' '+' 7*')/64' 6+.FM' 29(' (*' ;/*(3.**' '+' -/3:.' /3)' 0'30.,('3' : ;.*' 9*' (7.' 1./*9-.'3'(' '364' '+' (7.' &-(.-<*' :.39*'29(' '+' (7.' +'-0.'' +

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C9/6(.*&707'7/)':;.3'7.-'7.-',6/0.'3'(7.'&'-6)N =')'
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/* (7.4' 7/)' 3.;.-' &/-).)' '++' .; 6' +-'1' 7.-' 7.4 /).)' (7.' 0-9.6' /- 9*' ('' -./07' /' *.;.3(7' 0'3*96*7 ,F'$ (7.4' /66'&.)' (7.' , '9*' .: 69*' ('' 7.', 9(' ('' (7.' .5(-.1 (4' '+' ('-(9-.N' +' (7.4'))' 3'(' */;.' (7.' 0 (4' +-'1' 2. 3:' (/8.3' 24' (7.' =/96*M' &7.3' '1/3' ; -(9.' &/*' /(' (*' 7 :7.*(' , ' 3(' &74' *7'96)' &.' +/304' (7/(' (7.' 3.:6.0(' '+' (7. -' - (.*' 7/*' 0/9*.)' (7.' 0/,(9-.' 24' (7.' ='(7*'H 3)' 4.(' ' 9:9*(3.'/((- 29(.*'('' (7.*.')/.1'3*';/*(' ,'&.-*'+'-'.; 6' &7 6.' 7.' & 66' 3'(' /66'&' (7.1' /34', '&.-' +'-' :'')' 7.4', -'1 *.)' *900.**' ('' 966/M' 29(' (7.4' 3.;.-' & (7' (7.-' ,'&.-*' '+' ,-.; * '3' (- .)' ('' /;.-(' 7 *' 0-1.*' 7.-' ,'&.-' '-' .5/1 ,6.' 0'--9,(.)' (7.' /30 .3(' ; -(9.' '+' (7.' '1/3' ,.',6.' 24' 6.:.3)*N' &7 07' &.-.' 6.**'3*' 3' 0-9.6(4' /3)' 69*(' 7.-' &'-*7 ,' 7/*' 0-./(.)' (7.' 7'--'-*' '+' (7.' /1,7 (7./(-.' /3)' (7.' *(/:.N' 3' (7.-' 3/1.' (7.' .1, -.' '+' '1.' 7/*' 2..3' *&.66.)' (''/3' 93& .6)4' 2968' 24' 30.**/3(' &/-*' 9-3:' (7.' 0.3(9-.*'+-'1' (7.', ./0.+96' -. :3' '+' 91/' (''(7.' /00.** '3' '+' 9:9*(9*' /' * 3:6.' 4./-' 3' &7 07' (7.' :/(.*' '+' &/-' &.-.' 06'*.)' *' 3'(.)' /*' /' 1 -/0)'9*'.;.3(N

7 6.' 9:9*(3.' &/*' .3:/:.)' 3', -., /-3:' (7 *' + 3/6' /**/96(' '3', /:/3 *1' 7 *' + +(7' 2''8' 2. 3:' 0'1,6.(.)N' /'4'93:' ,/3 *7' ,-.*(' /-- ;.)' /(' , ,'' /2'9(' V!V' *' 3/(;.' 0'93(-4' &/*' 2. 3:').;/*(/(.)' 24' (7.' 9.;.*' /3)' /3)/6*N' .' .*0/,.)' +-'1' (7.-' *3/-.*' '-' ;'6.30.' /3)' *'9:7(' /' -.+9:.' 3' +-0/' &7 07' /*' 4.(' &/*' 0'3*).-.)' */+.' +-'1' (7.' 3;/).-*' ' 9:9*(3.' &/*' *(-908' & (7' 7 *' O./6' -./) 3.**' /3)' .3(79* /*1' /3)').(.-1 3.)' (''.3:/:.' 7 1' 3' /' 7 *('-0/6' 0'1,'*('3' &7 07' *7'96)' *.-;.' /*' /' 8 3)' '+' *9, ,6.1.3(' (''(7.' 03' ?0 ' 7.' (/*8' &7 07' &/*' /** :3.)' (''' -'* 9*' &/*' (''-.+9(.' 24' /3' .5/1 3/('3' '+' 7 *('-4' (7.' ,/:/3' /**.-('3'(7/(' (7.' +/66' '+' '1.' &/*' /' 0'3*.C9.30.' '+' 7.-' /2/3)'31.3(' '+' 7.-' '6)' -.6:'3 $N' '1.' 7/*' 2..3' (/8.3' $ '/' 2/-2/-/3' 07 .+'*/)' (7.' ,/:/3*F' 7.-' ,-'*,.-(4' 7/*' +'-' (7.' + -*(' (1.' 1.(' & (7' /') *' /*(-' *' 07.08' 3).-' 7.-' '6)' :')*' *7.' 7/)' /3' 932-'8.3

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)ND' FD D ')@E')5' GBB' P' A
$ E) ' (3 O ' ')' G[' EDK)?'
LM)@ KQC' OD ' & CO)@)C' K) K) C' D L '
0 ?C' ' A[' <' B
DD' MD' 5 ?F' ?' 0 ?C QC

0/-..-' '+'*900.**'-.*96(3:' 3'(7.' .*(/26*71.3(' '+' .C9/6'6/&*'
/3)'/'*.-.3.'/3)'2'93(+96'0 ; 6*/('3'/1'3:'*0'-.*' '+',.',6.*'
&7''3'+'-1.-'/:.*'&.-.')..:-/).)'/3)')..*'6/(.)'24'0'3(39/6'
+.9)*' (' *' '364'/'+.&'4./-*' * 30.'(7.'-.6:'3' '+'(7.'
/O/-.3.'&/*'1/).'2 3) 3:''3'/66' '1/3*F'/3)'&(7 3'+ +(..3'
4./-*'+-'1'(7.')./(7''+' 7.')'* 9*'(7.')..*(-'4.-''+'(7.'/30.3('
+/(7'(7.'7(7.-('' 3; '6/(.'*./('+' E'1/3':';.-31.3('7/*'
2..3').*.0-/(.)' Q' '1.'7/*,.-*7.)'3'(7.' 7-*(/3'(1.*R'
7.'&'-8'' +' -'* 9*'7/)'/':-./(',',96/-(4'3'(7.'))6.'
:.*' /3)'+-'1'*'1.'1').-3'0-(0*' ('7/*'-.0.;.)'('' '
+6/((.-3:'3'(0.'/*'(7.'+-*(/((.1,('('+'93)'/',76'*',74''+'
7*('-4' 7*).*0-,('3''+' (' 0/3''364'2.'/00.,(.)'+'24'
(7.'&'-)*',76'*',74''+'7*('-4R'*'1./3('/3'/-2(-/-4'/3)'
930-(0/6'7/3)63:''+'(7.'+/0(*('*9('/3',' 5 0'(7.'-4''-'/'
(.1,'-/-4'(7.'6':0/6',9-,'*.' -'*9*'7 1*.6+'&'96)'7/-)64'
7/;.'06/ 1.)'+'-'7*'&'-8'/34'*907'07/-/0(.-' *'-.*./-07.*'
&.-.'3'('; .-4',-'+'93)' */9(7'-(.*'/-.,-'2/264'6 1 (.)'
('(7.'E 26.' ;4' /0(9*' 9.('3 9*'B9*(3' 9(-',9*'/3)'
,.-7/,*' 'B.-'1.<*';.-* '3''+' 9*.2 9*<*' 7-'3 06/M' .'&/*'
3'('&-(3:'+'-'/'1-.1'(.':.3.-/('3'&(7'/'(7.'-4''+'791/3'
.;'69('3'&7 07'&'96)'*(/3)'(7.'(.*('+'*0.3(+0'0-(0*1'
.'&/*'/'1/3''+'7*''&3'/:.'(7'-'9:764'0'3;30.)''+'7*'
(7.**'2.+'-.'7*'-.*./-07.*'2.:/3'(7'-'9:764',-/0(0/6'/3)'
3'('';.-*0-9,96'9*' .'0/-.*'3'(73:'+'-'(7.'33.-'*,-3:*'
'+'7*('-0/6'1';.1.3(*'*'+/-'/*'(7.4'/-.'1.-.64'791/3'
7.'07/3''+'3/(9-/6'0/9*.*'7/*'3''3(.-.*('+'-'7 1' *'.4.'
'+5.)''3'(7.'.5(.-3/6'+'-(93.'/3)';0**(9).*''+'(7.':-./('
-/0.*'&7''7/;.''009,.)'(7.'*(/:.''+'7*('-4' (' *'+5.)'/6*''
-/(7.-''3'(7.-'0/6/1(.*'/3)'-.;.-*.*'(7/3''3'/34(73:'&707'
1:7('1(:/(.'(7.'(/6.''+'Q'1'9-33:'6/1.3(/('3'/3)'&'.R'
&707'7/*'2..3'(7.',-('3''+'(7.'791/3'-/0.'2.+'-.'(7.'01 3:'
'+' 7-*(' *'29*3.**'&/*(''0'66.0('3'/3''-).-.)'3/--/(;.'
+-'1'(7.'/33/6*''+'(7.',/*('2.+'-.'(7.'+3/6'(-91,7''+'(7.'
-'**'/66'(7.'(/6.*''+'1*.-4'+-'1'&/-'+/13.'/3)',.*(>
6.30.'(7/('(7.'791/3'-/0.'7/)'*9++.-.)'/66'(7/('&/*'*(/-(63:
/3)').*'6/(3:'3'+6'')*'/3)';'60/30'+-.*'/'(7.'7'-.'-*''+
'; @P',F DE'M)E'0 ?C QC')@CF) DE' O ?K)KFT'?@FT')' CDL?@E'K)@E' &D'
@?',@PF?)U?@' %MD'1 ' ?N' S@D#'F FD'?'J DDS')Q M? DC''L'
MD'CD D@ M'LD@ Q T')D'@QND ?QC'!' 1E @D ' '"0'!,'O'<[' L'
%DQ DF''O'_<' 5D D C'4''". . . .'8 ' 1
\'&D' ND@ ?@C'?MD'# D C'KQ' '% ' (, ' 'G<H'A<B

1 '3*(-'9*'0- 1 .' .' *'0'3; 30.)'(7/('(7.'0/-3/:.'/3)'-/;/:.*'
'+' &/-' (7.' *(-.**' '+' ,6/:9.' /3)').//-(7' (7.' 0'3;96* '3*' '+'
3/(9-.' &.-.' 1'-.' (-.1.3)'9*' 3' (7.' ,/:/3' (1.*$' /(9-.'
7.-*.6+'6 8.' (7.' (.1,.-'+' (7.' ='(7*$'7/*' :-'&3' 1 6).-' & (7'
(7.' /);.3(' '+' /' ,9-.-'+/ (7' /1'3:' 1 .3' 3' (7.' ,-'0.**' '+'
,-'; 3:' 7 *' (7.* *' -'* 9*' (-./(*' 1 .-.' 6.:.3)' & (7' (7.'*/1.'
-.*,.0(' /*' /9(7.3(0' 7 *('-4' 7.' .5,6' (*' '+' (7.' 1 /0'3*'Ñ
/-.' /*' 9*.+96' +'-' 7 *' ,9-,'*.' /*' (7.' 3;/*'3' '+' (7.' =/96*' '+'
E-.339*' 3' (7.'6'3:' 0/(/6':9.' '+').//)64' &/-*' 7.' 1/:3+.*'
(7.' 3912.-*' '+' (7.' *6/ 3' /3)' *..1*' /61'*(' ('' .596(' 3' (7.'
0/-3/:.' '+' ,-. 7-*(/3'2/((6.+.6)*' .'7/*'*.6)'1' /'&'-)'('
/4' '+' (7.' '2%.0(' +'-'&7 07' (7.' ;0(1*'+.66' 7.' :6'-.*' '+'
,./0.+96' (3-.*' 7/;.' 3'' 3(.-.*(' +'-' 7 *').(.-1 3.)' 7 *('-0/6'
,.** 1 *1' 7.-.' *' 3'(' /'&'-)' '+' (7.' *,6.3)'9-' '+' (7.' /:.'
'+K .-06.*$' .1'*(7.3.*' *' '364' -.+.--.)' ('' /*' /3' '-/('-'
,9-07/*.)' 24' .-*/3':'6) N' (' *') ++096(' (''0'30. ;.' (7/('
907' /'0'66.0('3' '+' (7.' :6'' 1 .(' ., *').*' 3'7 *('-4' '-' 14(7'
*.6.0(.)' +'-' /' * 3:6.' 0'3(-';.-* /6', 9-,'*.' &7 07' *' .;.-4>
&7.-'/,,/-.3('*7'96)'7/;.' 3+69.30.)'/34'1 3)' 3'(7.'6./-3.)'
/3)'096(;/(.)'0 -06.' '+' (7.' ,/:/3'+- .3)*' '+' 41 1/079*

-'* 9*' 0'3*(/3(64' 0'1,6/ 3*' '+' (7.')'926.' .5/:.-/('3'
24' &7 07' (7.' ,/:/3*' 1/:3+.)' (7.' ,-'*,.-(4' /3)' :6'-4' '+'
,/*(' /:.*'/3)' (7.')*/*(.-*' '+' (7.-'&3')/4Ñ 7.'07/-:.' *'
,-'2/264' (-9.' 7.' 1 1.)/(.' .++.0(*' '+' (7.' 3;/*'3' 1/4'
7/;.'./*64' 2..3',/3(.)' 3'('' *'12-.'0'6'9-*' 7.'0/,(9-.'
'+' '1.' *'')*'-).-.)' 1.3<*' 1/:3/('3*' /3)' /&'8.' *907'
2((.-3.**' '+' ,/-(4+..6 3:' (7/(' /'0/61' .*(1/(.'+' (7.'+/0(*'
&/*'7/-)64',''** 26.' -'* 9*'7'&.;.-' *':9 6(4'+'(7.':-''*.*('
.5/:.-/('3' '3' (7.' '(7.-'*).' 3'7 *' -.(-'*,.0(' 7.' *9-;.4*'
(7.'7 *('-4'+'(7.'&'-6)'+-'1'(7.'0-./('3'& (7'/').(.-1 3/('3'
('''*.' 3'(7 3:' (7/(')'.*' 3'(' 6.3)' (*.6+' ('' 7 *' 0'3(-';.-* /6'
,9-,'*.' (' *' 07/-/0(.-*(0' '+' (7.',.096/-'1.(7')'/3)'+/ ->
3.**' '+' (7 *' &'-8' (7/(' 3' ,/3(3:' (7.' 26'')4' &/-*' '+' (7.'
-.:/6',.-')$' (7.' 3/1.' '+' 91/' *' 3.;.-' 1.3('3.)' 7.'
/08' '+' (7.' 0 (4' 24' E-.339'Ñ &/*'+/-' 1'-.' (.-- 26.' /3)').

' 0 ?H' ' 0 3' %MD' #? FE' @' G '
C')C' ' #D D' ?@FT' @?L QN)' OQF L KQC'
FF) QC'
(' ' ' G ' W Y' 4' GI
(' 1' G<'
' 5D LFDC' C' ND@ ?@DE' ?@LD')C'
PD@D)F')F?@P' # M' ?OM?LFDC' 3' AG G<'

L ')' C?ND#M)' C N F)' ')@E')N@C @P'
D D D@LD' ?' MD' P D)' ')PD' ?' J DDLD' @'
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*(-90(; .(7/3 7.-0/,(9-.24 6/-0 /-)64 / ' 1/3 *.3/('-
.*0/,.) (7. ; '6.30. '+ (7. =/96* /-)64 '3.6'*(7 * 6+.
/((7.7/3)* '+(7.='(7* $ 3'6) (1.* 0 64 &/*0'3*(/3(64
6/)&/*(.24(7.0'3;96* '3* '+3/(9-./3) (7.-/;/:.* '+&/-
3 (7. ,-.*.3(C9 .(/3) ,-'*,.-'9* (1.* .;.3 (3/ &7 07
'30. *,-./) -9 3 3+.6) /3) 0 (4 *.3)* 9,' 364 / 0'69 1 3 '+
7/-16.** *1'8. (' -.1 3) (7. &'-6) '+ (* +'-1.-.3.-:4N
'1.&/*+'93).) 3 26'')*7.)/3) 7.-0/-..-7/*0'--.*,'3).)
(' (7. '1.3* '+7.-2-(7 7.-. * 7/-)64 / 2-./8 3 (7.
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'+(7.-. :3 '+ 9:9*(9* &/*: ;.3 (' (7. &'-6) 24 (7.0'1 3:
'+ 7-*(' 3 6 8.1/33.-(7./+/66 '+ (7.3* (7. ';.-(7-'&
'+ ,/-(/3*9,-.1/04 (7.0'3C9.*(* '+ 7 6 ,/3) 6.5/3).-$
/-.) .*0-2.) & (7 /) .(.-1 3.) .5/:::.-/('3 '+ (7. *6/9:7(.-
/3) 1 *.-4 &7 07 (7.4 0/9*.) 7. /2*9-) (4 ,.-7/,* 096>
1 3/(.* &7.3 -'* 9* 3;. :7* /:/ 3*(7'*. &7' 0'1,6/ 3
(7/(/0'&/-)64 2-:/3) (*(79* (7/(6/-0 *).*0-2.)T
7/* '9(-/:.) /* 3:6. 0'-3.-' + /& '-6) &7 07 * .3%'4 3:
:.3.-/664 /* *.09-. (-/3C9 66 (4 N 7. /9(7'-' '00/* '3/664
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7.-.6/('3 (' (7.2/-2/-/3 -/0.* (' &7 07 &. *7/66 -.+.-3
/3'(7.-07/,(.- E9(/* (' (7.1/3)-+('+7 * 2''8 (*
) ++ 096((' /0C9 (7 1' '+ /).6 2.-/(.) *('-('3 '+ (7.+/0(* '+
7 *('-4

7.*. (&' &'-8* '+ *907 93.C9/6 1.-(/-.3'(0.) 7.-.
07 .+64 +'-(7., 9-,'*. '+*7'& 3:(7.6/(.3(+'-0.' '+(7., /:/3
*.3(1.3(&7 07 (7.4 &.-. 3(.3).) (') */-1 /3) *6.30.
E'(7 9:9*(3./3) -'* 9* /-.+9664 0'3*0 '9* '+(7.1/:3 >
(9).' '+ (7.-(/*8 /3) '+ (7.*(-.3:(7 '+(7..3.14 (&/*
3'((7. :3'-/3(*9,.-*(('3 '+(7.1/**.* 26 3)64 06 3: 3:' ('
(7.-.6 : '9* 9*/:.* '+(7.-/30.*('-* &7 07 (7.4 *.((7.1*.6;.*
07 .+64 (') *0-.) (/3) ';.-(7-'& 7. 0'3(-';.-*4 2.:/3 /*
&./7/;.* ..3 3 /0'1,/34 '+6.((.-.) 1.3 &7 '*.* *1'96).-3:

0 ?C GI GW K U RQDNRQ) N @ D@ QN D@) ? DN RQ DF)KCD@C D)CD 'K ?' U RQDNRQ) N DRQ D R ? D Q F) D@C OD D ? (! 4 A I ?? 6) . G[7)TC M) N)@T CD@) ? C #D D ? Q DE)@E CF) @

\ 0 ?C G ,D M@) OC) RQ) D Q@? LQN DUL E ? Q K QN) RQD)P ? QN L DK C D @O ?@ KQC)DC Q)K) @)@?)@ QN @@?U)CODL D)E O)D D ? QN EDN QN)

$ 1 H

1 G GB GW A G[GW GG

1 A[I D @?C OD O? Q)D DL? E) ?@ M)DCQ@Q@ OQ)NQC RQ?E OFQ N) ? K C O) D CDLQ)' Q@@N)@PQFQN QP)U F) ? ?F)

) ' 9 2 (* / 2 ' 9 ((7 . ' , ' 6 0 4 ' + ' (7 . ' - . 6 : ' 9 * ' - . ; ' 6 9 (' 3 ' + ' 7 . ') ' * 9 * '
+ 6 / * 7 .) ' ' 9 (' / 3) ' + ' 9 3) ' . 5 , - . * * ' 3 ' ' 3 ' (7 . ' 0 / , (9 - . ' + ' ' 1 . ' 3 '
V ! A ' E ' (7 ' & ' - 8 * ' / - . ' /)) - . * * .) ' (' ' (7 . ' .) 9 0 / (.) ' 0 6 / * * ' & 7 ' ' * (6 6 '
0 6 9 3 : ' (' ' , / : / 3 * 1 ' . (7 . - ' / * ' (7 . ' / 3 0 . * (- / 6 ' + / (7 ' + ' ' 1 . ' 9 3) . - '
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, 6 * 7 .) ' ' - ' / * ' . 3 * 7 - 3 3 : ' + 7 . ' ; . 3 . - / 2 6 . ' / 3) ' 1 / : 3 / (; . '
* 4 1 2 ' 6 * ' ' + ' (7 . ' 6 ' + (4 ' / 3) ' 0 ' 1 , - . 7 . 3 * ; . ' (7 . ' - 4 ' ' + ' = ') ' / 3) '
(7 . ' 3 ; . - * . ' . 5 , ' 9 3) .) ' 2 4 ' (7 . ' * 0 7 ' ' 6 ' ' + ' 6 . 5 / 3) - / ' 7 . '
(2 ' 0 3 ' ? 0 ' / * * / 6 * ' (7 . ' , / : / 3 * 1 ' 2 ' (7 ' ' + ' (7 . ' , / (- ' (' / 3) ' (7 . '
, 7 6 ' * ' , 7 . - ' (' * ' /)) - . * * .) ' (' ' / 0 6 / * * ' 0 / , / 2 6 . ' ' + ' + ' 6 6 ' & 3 : '
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/ 3 (C 9 (. * ' ' + ' ' 1 . ' ' - ' * / (9 - / (.) ' & (7 ' (7 . ' 1 . (/ , 7 4 * 0 * ' ' + '
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- / 3 : . ' / 3) ' * 9 2 (6 . (4 ' ' + ' ' 9 : 9 * (3 . < * ' : - . / (' & ' - 8 ' . (' . ; . 3 '
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2 . . 3 ' (- / 3 .) ' 3 ' (7 . ' 7 : 7 . - ') * 0 , 6 3 . ' ' + ' (7 . ' ' 1 / 3 ' * 0 7 ' ' 6 *
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3 (. - . * (' + ' - ' (7 . ' 7 * (' - / 3 ' (' * ' (- 9 . ' (7 / (' (7 . ' ; ' 0 . * ' ' + ' (7 . '
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+ - ' 1 ' (7 . ' , / : . * ' ' + ' (7 . - ' / * * / 6 / 3 (* ' / -) 6 4 ' / ' & ' -) ' 7 / * ' 0 ' 1 . '
(' ' 9 * ') - . 0 (6 4 ' + - ' 1 ' (7 / (' 0 - ' &) ' ' + ' , 7 6 ' * ' , 7 0 ' * 0 . , (0 * ' 0 ' 3 >
* . - ; / (; . ') - . / 1 . - * ' ' - ') . ; ' (. . * ' & 7 ' ' 0 / 6 6 .) ' + ' - (7 ' (7 . ' + 9 6 6 '
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(7 . ' (2 ' 0 3 ' ? 0 ') . / 6 (' / ') . / (7 2 6 ' & ' / (' (7 . ' 0 / 9 * . ' ' + ' , / : / 3 * 1 '
/ 3) ' 2 4 ' (* ' 6 . / - 3 3 : ' / 3) ') / 6 . 0 (0 ' 0 ' 1 , 6 . (.) ' (7 . ' & ' - 8 ' ' + ' / 3 (>
, / : / 3 ' 6 . : * 6 / (' 3 ' (* ' ' 0 0 / * ' 3 / 6 ' * ' , 7 * (- 4 ' & 7 0 7 ' 1 / 4 ' -- (/ (. '
(7 . ' 1 ') . - 3 ' - . /) . - ' & ' 9 6) ' , - ' 2 / 2 6 4 ' 3 ' (7 . ' 7 . / (' ' + ' 0 ' 3 + 6 0 (' 2 . '
/ * ') / 1 / : 3 : ' (' ' (7 . ' . 3 . 1 4 ' / * ' (* ' * ' 9 3) . - ' / - : 9 1 . 3 (* ' + ' (* '
/ , , . / 6 * ' (' ' 7 * (' - 4 ' (' ' * 7 ' & ' (7 . ' 7 . 6 , 6 . * * 3 . * * ' + ' (7 . ' : ') * ' (' '
, - ' (. 0 (' (7 . - ' & ' - * 7 , , . - * ' + - ' 1 ' . ; 6 ' + ' - (9 3 . ' ' + (. 3 ' * . . 1 ' (' ' 9 * '
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& / * ' / 3 ' 3 + / 3 (' E 9 (' B 9 6 / 3 < * ' 6 + . ' & / * ' * 7 ' - (' / 3) ' (' 1 / 4 ' 2 .

&,5 @ ("&*$"7)$'+"&*6)(* $)"/$"%) BG

)'92(.)&7.(7.-+ ('7/)2..3'6'3:.-'7*.++'-(*('.++.0(/
1'-/6/3),76'*',70-.3';/('3'+,/:/3*1'0'96)7/;.':;.3
-./66+.'('(7/(&707'&/*'-'((.3'/(7.'-''(

.('&7.3'&.'6''8'1.-.64'/('(7.'3/--'&.-'**9.''3'&707'
(7.'1'1.3('9*'0'3(-';.-*4'2.:/3'(7.-'*'/'*(-/3:.'+..63:'+
,/(7'*'3'-./)3:'(7.''+(.3'*',7*(0/6'-.0-13/('3*'/*('(7.'
9,.-3/(9-/6'0/9.*''+'/'&'-6)&).'0'3;96*'3' 7.'/30.3('
1/%.*(4''+'(7.'1,.-/60(47/)2..3';'6/(.)'/3)'(7.'1/:0'
+'(7/('(:-./('3/1.'&/*';/37*73:'/1)'/:'3.*'+'-.:-.('
'1.''+'(7.'+/-.*(',-';30.*'+'(7.'.*('7/)'2..3'009,.)'
24'(7.'=.-1/3'3;/).-*' '9'4./-*'/+(.-'(7.'0'1,6.('3'+'
9:9*(3.<*':-./('&'-8'(7.'/3)/6*'&66'7/;.''';.--93'
'1/3'+-0/'/3)'(7.'*/3(<*6/*('7'9-*'&66'2.')*(9-2.)'24'
(7.'-'/-'+'2/((6.'93).-'(7.'&/66*'+',,'$'7.'19(9/6'
-.0-13/('3*'+'7-*(/3'/3)',/:/3'/*('(7.'-.6:'9*'
0/9*.*'+'(7.':-./('0/(/*(-',7.'1/4('*'1.'*..1'*1/66'/3)'
+-;'6'9*'3'0'1,/-*'3'&(7'(7.'3(.-.*(*'&707'&.-'/('*(/8.F
('''(7.-*',.-7/,*-/(7.-'0'/-*.'/3)'1/(.-/6*(0'3'(7.-'
0'30.,('3'+'(7.'++0.'/3)'/69.''+'-.6:'3'.'7/;.'2..3'
(-/3.)'('*..8'+'-'(7.'0/9*.*'+'(7.'+/66'+''1.'3'(7.')*(-90>
('3'+'(7.'1930,/606/**'93).-'+*0/629-).3*'3'2/)'/3)'
0-9.6/)13*(-/('3'3'(7.').063.''+,926 0'*,-(/3)'0'9-/:.'
'1.'7*('-0/60-(0*.;.3'(7'*.'2-.)'3'(7.'(-/)('3*'+'(7.'
/(7'6 0' 79-07'/-.'/61'*('-./)4('''(/8.(7.',/:/3'*).'3'(7.'
C9/--.6'/3)'(''+3)'(7.'0/9*.*'+'(7.'0'66/,*.'3'(7.'/*0.(0'*,-('
&707'24'0'3(.133:'&./6(7'/3)'-.+9*3:'(''2./-'(7.'29-).3*'
'+'0;6'*'0.(493).-13.)'(*.0'3'10'/3)','6(0/6'*(/26(4'
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' +' 7 ?' '3(. 1 ,(' +'-' (7.*.' (-/3* .3(') *(30('3*' /3)' (7. -' 7', .' ' +' /' 26.**.)' -.93 '3' /+(.-') ./(7' 3)' /96 3/' *' +.-; .3(' 3' 7.-' :-/((9).' +'-' (7.' 6'; .' /3)' 0'3+).30.' L&(7' &7 07' 7.-' 79*2/3)' 7/*' 1 /).' 7.-' /', /-(3.-' 3' /66' */0-.)' (7 3:*' -/.(.5' (8(9*' 3' /' 0' 1 , /3 '3' 3*0- ,('3' 0' 1 1 . 1 '-/(.*' 7 *' & +.' /*' (7.' *7/-.-' '+' 7 *' 3 1 '*(' *.0-.(*') .; '(.)' (' (7.' (. 1 ,6.' *.-; 0.' /' +- .3)' '+' (7.' :')*' ,9-.' 3' 1 3)' /3)' 2')4' 2.3.; '6.3(' (' /66 7.*.' 096(*' &7 07' &.-' (7.' ; (/6' 0.3(-.' '+' (7.' 6/*(' :.3.-/('3' '+' , /:/3 *1' 3' (7.' .*(' 7/)' +'93)' (7. -' &/4' (' E'-3.' 6' 3:' 2.+'-.' (7.' 1 , .- /6' , .- ')' 7.' /*(.-3' 0'3C9.*(*' '+' (7.' ., 926 0' 1 /).' (7.' 1 / 3(.3/30.' '+' '6)' ' 1 /3' .5069* ;.' M3.*?' 1 , '** 26.' 3' /' 0 (4' &7 07' &/*' (7.' 1 ..(3: ,6/0.' '+' *' ' 1 /34' -/0.*' (' &/*' 7', .6.**' +'-' (7.' 1 '*(' ; : 6/3(' 0'3*.-; /(*1 $' 7'&.; .-' 1907' 3*, -.)' & (7' /' *9*, 0 '3' '+' .5'(0' 1 ').*' '+').; '('3' + 3/664' (' *79(' (7.1' '9(' 7.' /((.1 ,(' &/*' 1 /).' /:/ 3' /3)' /:/ 3' /3)' /*' '+(.3').+./(.)' '-. :3' (-/).-*' +'-. :3' *6/;.*' (-/;.66.-*' /3)' *'6) .-*' -.(9-3 3:' +-' 1' 6' 3:' 0/1 , / :3*' 3') *(/3(' -.: '3*' &.-' 0'3*(/3(64' 3(-')90 3:' -.6 : '9*' 3';.6(.*' &7 07' +/*0 3/(.)' (7.' 6'&.-' 06/**' /6&/4*' (7.' 1 '*(' *9*0., (26.' '+'-.6 : '9*' .50 (.1.3(' /3)' (7.3' , .3.(-/(.)' (' (7.' 06/**.*' '+' 096(9-.' /3)' , - ; 6.:.' 7.' =-./(' '(7.-M' '+' .** 39*'+'93)' /' 7' 1.' /(' '1.' 3' (7.' *.0'3)' 93 0' &/-N' 7.' 7*(', 7'-' '+' .-/, *' &.-' .*(/26 *7.)' /*' ./-64' /*' (7.')/4*' '+' 966/ N' +(.-' -., ./(.)' /((.1 ,(*' '3' (7.' , /-(' '+' (7.' :' ';.-31.3(' 1('' .5069).' :4,(/3' &'-*7 , *M' (7.' (-91; -*' 3' V[' ' +'93).)' /' (.1 ,6.' '+' * *' /3)' .-/, *' 3' (7.' /1 ,9*' /-(9*N' 7.&'-*7 ,' '+' (7-/' (7.' *'6/-' 096(' &7 07' &/*').*(3.)' (' 2.' (7.' 1'*(' +'-1)/26.' -;/6' '+' 7-*(/3(4' 3' (*' 6/*(' *(-9::6.' & (7' 7./(7.3*1' &/*' 3(-')90.)' 3' A' '/+(.-' (7.' ';.-(7-'&' '+' (7.' 6 0 /3' , -/(.*' 24' '1 , .4N' 3).-' (7.' 6/; /3')43/*(4' (7.' -.6 : '3*' '+' (7.' /*(' 7/)' *, .0 /6' , -'1 3.30.<$ E9(' (7.' /*(.-3' 096(*' 7/)' (7.-' :-./(' (-91 , 7' 3' (7.' /:.' '+' (7.' 3('3 3.*' /3)' 93).-' (7.' -.3(/6' , -30.*' '+' (7.' (7 -)' 0.3(9-4' '0'3*).-/26.' 3912.-' '+').) 0/('3*' (' '6' 3; 0(9*' .-/, *' /3)' (7-/' 2.6'3:' (' (7.' -.:3*' '+' ' 9-.6 9*' /3)

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7.' :4,(/3'096(*'/3)' ,-..1 3.3(64'(7/(' '+' * *' 7/)' /3' 11.3*.' 3+69.30.' '3' (7.' '1/3' 1 3)')9-3:' (7.' &7'6.' 1,-/6' ,.-')' * *' &/*' /').(4' & (7' 1/34' +930('3*' /3)' 1/34' /((-/0('3*N' 7.' &/*' (7.' :')).**' '+' (7.' *,-3:(1.' /3)' '+' (7.' +-9 (+963.**' '+' 3/(9-.' 7.' &/*' (7.' :9/-)/3' '+' (7'*.' &7'*.'6+.' *' '3' (7.' *./' 7.' 7/)' /' *,.0/6' 0/-.' '+' &'1.3' 3' (7.' (-'926.*' '+' 1'(7.-7'')' 7.' 6:7(.)' *'96*' 3('' (7.' &'-6)' 2.4'3)').//(7' 7.' 0.-.1'3.*' '+' 7.-' &'-*7,' &7 07' 3' 1/34' -.*,.0(*' *7'&' /' * 3:96/-' -/,,-'07.1.3(' (''(7'*.' '+' (7.' /(7'6 0' 79-07' 7/)' /' ,'&.-+96' .++.0(' '3' (7.' 1/:3/('3' /3)' (7.' +..6 3:*' 7.-.' *' /' */0.-)'(/6' 06/**' *.(' /,/-(' +'-' *,-(9/6' +930('3*' /3)' (7.' :9)/30.' '+' *'96*' /3)')*(3:9*7.)' 24' (7.' ('3*9-.' /3)' /' ,.096/-')-.** $' 7.-.' /-.' 2/,(*1/6' -(.*' '+' 3(/('3' +'-' &7 07' /*0.(0' /2*(3.30.' *' /' 3.0.**/-4' ,-.,/-/('3' 3' :4,(' '3' (7.' ;.-4' :-'93)' &7 07' 3' (7.' +'9-(7' /3)' +(7' 0.3(9-.*' &/*' (''2.' (7.' 7'1.' '+' 7-*(/3' 1'38*' (7.-.' &/*' 6'3:' 2.+'-.' (7.1' (7.' /*0.(0' 6+.' '+' (7.' 06' *(.-').;'(.)' (''(7.' &'-*7,' '+' .-/,*N' 7.'-(9/6' 7/*' 1/34' (-/0.*' '+' '9-' 1').1').//*' '+').;'('3'/3)' +'-.*7/)'&*' 3'*'1.'-.*,.0(*'(7/(' '+' (7.' /(7'6 0' 79-07' 7.-.' /-.' 1/(3*' /3)' ;.*,.-*' (''-'9*.' (7.' :')).**' '-' (''6/4'7.-'('-.*('//(' &7 07' &7 (.-'2.)',-.*(*'++0/(.N' '1.3' -.0.;.' /',-'1 3.30.' &7 07' &/*').3.)' (7.1' 93).-' (7.' '6)

G' (8' '_AW_A_'_['_B' H<' 'ABW[

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$ 3) NO E' (0' ?' I' C)L)' C E C' L?FQ' Q' D' L)OQ')ED D' D',@QK @' O?)D

' E' '' !' L' AB',DF' O)' (,,.' L' I

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\',OQF'% 'U' A[

-.6 : '3 ' /3)' (7. -').;'('3' ('' (7.' - (9/6' '+' 4- /' /3)' :4,(' &/*' /' *'0 /6' 07/-/0(.- *(0' '+' (7.' ./-64' 1 , -.'$ /*' (' &/*' '+' (7.' 06'* 3:' %$./-*' '+', /:/3 *1' 3' (7.' .*(N' 7.-.' &/*' 3)..)' (9.7' 3' (7.*.' 096(*' 0/6096/(.)' ('' 7/;.' /' *,.0 /6' 07/-1' +'-' +.1/6.' *.3* 2 6 (4' (' *' /' 0'1 1 '3' 07/-/0(.- *(0' '+' *'1.' '+' (7.' 1 '*(' ,',96/-' '+' (7.1' (7/(' (7.' 3(.-.*(' 0.3(-.*' '3' /') ; 3.').//(7' /3)' -.*9--.0('3' 7.-.' *' (7.' /6(.-3/('3' '+' (7.' ,/** '3/(.' *.3*.' '+' 6'**' & (7' (7.' ,/** '3/(.' %'4' '+' -.0';.-4' /3)' (7$.1 '('3*' /*' 3' (7.' 14*(.- .*' '+' /3' ./-6 .-' (1.' &.-.' ,-'2/264' *(196/(.)' 24' *(- 8 3:' *0.3 0' .++.0(*' 7.' 0'6)' 0/61' - :)64' +'-1 /6' -.6 : '3' '+' '6)' '1.' 7/*' : ;.3' ,6/0.' ('' .0*(/(0').;'('3'/3)' (7.' *.3*.' '+' * 3' /3)' .--'-'+ 3)*' -.6 .+' 3' ,.3 (.3(/6') *0 ,6 3.' /3)' *'6.1 3' 06./3* 3:

3' (7.' 6/*(' *(-9::6.*' '+', /:/3 *1' & (7' (7.' 7- *(/3' 79-07' (7.' 096(' & 7 07' .5.-0 *.)' (7.' 1 '*(' ,'&.-+96' /((-/0('3' &/*' (7/(' '+' (7-/ N' (' :/;.' .5,-.** '3' ('' (7.' :-'& 3:' (.3).304' ('' (3'3'(7. *1 M' /3)' ('' (7.' 0-/; 3:'+'-' 1 '-/6' *9,,'-(',9-+0/('3' /3)' 0'1+'-(' (7-'9:7' -.6 : '3' & 7 07' 2.0/1.' 1 '-.' /3)' 1 '-.' 1,.- '9*' 3' (7.' (7 -)' /3)' +'9-(7' 0.3(9-.*' (' &/*' /(' + -*(' /' *93 &'-*7 ,' '+' .-* /3' '- : 3' E9(' (*' ./-64' 07/-/0(.-' &/*' :-./(64' /6(.-.)' 24' *430-.(*1' 24' /00-.('3*' +-' 1' '(7.-' .*,.0 > /664' 7-4: /3' &'-*7 ,*' /3)' 24' 3/(9-/6').;.6',1.3(' ('' 1..(' (7.').;'('3/6' /3)' 1 '-/6' &/3(*' '+' (7.'(1.*' 7.' &'-*7 ,' '+' (7.' 93' &/*' (7.' 0.3(-/6' +'-0.' 3' B96 /3<*' /((.1,(' ('' -.1.)4' (7.')':1/(0' /3)' 1 '-/6' &./83.**' '+' ,/:/3 *1' 3' (7.' +'9-(7' 0.3(9-4' (7.' /30 .3(' :')' '+' 6 :7(' 7/*' 2.0'1.' (7.' *9,-.1.' '&.-N' &7'' *' /66 *.. 3:' /66 ,.-;/) 3:' &7'' *' (7.' 6'-)' /3)' : ;.-' '+'6 +.' (7.' 06./3*.-' +-' 1' * 3' (7.' ,-'(.0('-' '+' (7.' 1 *.-> /26.' (7.' 0'3C9.-'-' '+' .; 6')/.1'3*' /3)').//(7' &7'' /**9-.*' ('' 7 *' +/ (7+96' &'-*7 ,,.-*' (7.' 7',.' '+' 1 1'-(/6 (4' 7.' 1'391.3(*' '+' (7-/' 7/;.' 2..3' +'93)' /66' ';.-' (7.' '1/3

V$$ M #

G VQ '% ' HI ' BAH' ' (8 'U 'G<WA' W[BG' b-) K?@@D"' 'ABW['b-QN E)"' 8D ? ?@' ?' C C' @' MD' ND'?') QFFQC' ')@E' % KQFFQC' CDDNC' ?' M) D' KDD@' L?N' 'O) KFD'# M' D T'F??CD' N?) FC') QFF' = ' AB ' % KQFF' ' H' AW' QN?@ ' G_H' ED@ DC' M) '#?ND@' #D D')EN DE' ' ?' MD' NTC D DC' ?' 1 M) ' (8 ' 'G__I' G_H[$ / FFD' % '- ' '.!' OO' _' ZZ' T' 5 D4D ' O' I[' 8 @T' ' O' G B' ' O' H ' /D@)@' % ' - ' 'O' B_B

 ' DD' MD' LD@)F C) ?@' ?' N)@T' #? CM OC' @' MD' DNOFD' ?' MD' Q@') DNO DE' KT' .F)P)K)FQC' 3)NO E' L' W ' L ' ' _

 ' /E FFD ' O' HH ' QN?@ ' %0 -] ' - ' .' ' % ,' %DU DC' 0 D@)QU' ' OO' G B' ' 5K E T ' bYQ? DE' 1' OO' HI ' [' G' @' M C' @ D DC @P' MA OM0 & 05 , 0 'O'<B' 8 ' 7 PP' C)TC' M) ' MD' DF N?@' ?' 1 M)' #)C' \ MD' OQ DC')@E' N?C ' DFD) DE' ?')FF @?@ 7 KF L)F' DF P ?@C ' h

&'-6)$ 3 /66 (7.5.:'3*'+ (/64 3 ,/3 +-0/ /3) /66 (7., -'; 30.* 2'-).-3:'3 (7. /392./3) (7. 73. 3 =/96 /3) 3 E-(/3 '(73:* 1'-. +/16/-(7/3 (7. :-'9, 3 &707 (7.4'93:&/--'-&./-3:/ 7-4:/30/, /3) *7'-('(930/3) 1/3(6.26'&3 2/08'24 (7.& 3) 83..6* '3 (7. 2/08 '+ / 2966 /3) 29-.* 7 *,'3/-) 3 (* (7-'/(' *9-> -'93).) 24 (7.14*(0 2./*(* /3) (7.(&'' /)',7'-N *& '-*7 ,' &/* 0'3)90(.) 3 93).-:-'93) :-'((''.* 2-66/3(64 6:7(.) /3) /)'-3.) & (7 *412'6 0 +:9-.* 7. *412'6*1 '+7 * -(9/6 7/* .5.-0*.)/3) ,9006.) (7.3:.39 (4 '+1').-3 /-07/.'6': *(*N -'2/264 ('0'3;.4.) 1/34 1./3 3:* ('' (7.).;'(..F 29('(7.0.3(-/6)./ 3 (7..3) *..1* ('' 7/;.2..3 (7/(' '+ / '&.-&7'' 0'3C9.-* (7.*, -(* '+)/-83.** 6./)* *'96* +-'1 (7.93).-&'-6) /3) :;.* ,./0. 24 ,9-+0/('3 7.-(9/6 &/* 0'1,6 0/(.)/3) 1,-.** ;. 7.-.&/* /8 3) '+2/,(*1'+3.',74(.*'0'3+-1/('3'0'3*.0-/('3''+2-./)/3) &/(.-06./3* 3:'+(7.('3:9.& (7 7'3.4/3) '(7.-/269('3* 7.:-./(+.*(;/6 '+(7.:')&/* 0.6.2-/(.) '3 (7. [X(7'+ .0.12.-M *14*(.-.* 0-./(.) / ,'&.-+96 2'3) '+93 '3 /3) 3 (7 *-.*,.0(*/(*+.) '3.'+(7. 1'*(9-:.3(3..)* '+ *'0.(493).-(7./6/(.- 1,-. 7. 3(/(.)+'-1.)/ 06'*. :96)'-'0'-,'-/('3 ,-.*.3(3:1/34 ,'3(* '+-.*.126/30. ('' -..1/*'3-4N 7.3';0.7/) (''*921 (('' / *.-.* '+ *.;.-.''-).6* /3) /*0.(0 .5.-0*.*, -'6'3:.)+/*(3:+6/:.66/> ('3 ,/**3:(7-'9:7 &/(.-/3) +6/1. 7.-. &.- 1/34).:-..* '+ 3(/('3 2./-3:+/3(/*(0 ((6.*N /3) 0961 3/(3: 3 (7.) :3(4 &707 2'-.(7.((6.'+ /(.- 7/(.;.-(7. -./6 1'-/6 .++.0(' +3(/('3 1/47/;.2..3(7.-.0/3 2.3'')'92(' (7/(' (').;.6',.)/ /&/-1') .;'('3 /3) +/(7 3 (7/(' +9(9-.6+.&707 (',-'1*.) ('' (7., 9-.&'-*7 ,,.-

7. 1'*(' 1,-.** ;. -(. 3 (7-/&'-*7 ,' &/* (7. 2/,(*1' '+26'') 0/66.) (7. /9-'2'691 7 *0.-.1'34 &/*

' 5 DFFD ' O' IB' ' ' ' H [b C' @' 1)Q D)@)"' IA<B'U ' G<W<' bJ)FF)' -) K'" A_[B' ' H[_' H[I' b,RQ FD)"' AHW' 0 ' QN?@ ' ' OO' H_G_G

\' DD' MD' DO DCD@) ?@' ?' MD') L)@' P ?QO' @' 8Q QT' 'O'_ H' ?' QN?@ ' 'Q'O)CC N

' /B FFD' OO' HI' I[I'' ?' MD' N)D)FC')LLQNQF) DE' @' QN?@ ' ')@E'

' /D FFD' O' I<' 7Q'L ' QN?@ ' ' O' BH' @

' 5 DFFD ' O' I_'' /< FFD' O' I_' 0@' MD' ? ED)FC' ?' @) ?@'CDD' QN?@' 'O'A_

' & D ?@')5'G[_'e A')E' 3)D)N ' #MD D' MD' FDC' ?' MDN') D' P D@' ?)U' J TOMQC' 1 FDC' 3D?' 5L CDC' &DF?E ?NQC' 5) D ' ! ' QN?@ ' ' GH' @' G' DD' MD' FD' 5) D ' @' <['G__H' ?' (8 '

/,,/-.3(64'/'*/0-/1.3(/6'-.,.(('3' '+'(7.' *412'60'*6/9:7(.-' '+'(7.' 2966' 24'(7.' :')' 7 1*.6+' (' &/*' '-:3/664' ,/-(' '+'(7.' 7-4:/3'-(9/6' '+'(7.' =-./(' '(7.-' /3)' *' 0'33.0(.)' &(7' 7.-'3/1.''3' 1/34' 1'391.3(*F$ 29(' /+(.-'(7.'-.6:'9*' +/*7 '3' '+'(7.'(1.*' (' 7/)' 2..3' /2*'-2.)' 24'(7.' 096(' '+'(7.' 93' 7.' ./-6.*(' (-/0.' '+'(7.' /9-'2'6 91' 3'(7.' .*(' *' +'93)' '3' /' ./,'6(/3' 1'391.3(' '+'(7.' 6/*(' 4./-*' '+' /)-/3<*' -.:3N' (' *,-./)' +/-' /3)' &).'(7-'9:7'(7.' ,-'; 30.*' /3)'(-/0.*' '+' (' /-.' +'93)' 3./-' 4'3*' /*' ./-64' /*' !"V', 8$' 7.'0.-.1'3 /6'7/*'2..3').*0-2.)' 3' /'&.66 83'&3' ,/**/:.' '+' -9).3(9*$' /3)' (7.' 3*0-,('3*' '+' 7 *' /:.' +-.> C9.3(64' -.+.-'(' (N 7.' ,.3(.3(' &/*' ,6/0.)' 3' /' (-.307' 0';.-.)'' ;.-' &(7' ,6/38*' 7/; 3:'/,.-(9-.*' 2.(&..3'(7.1' ' 2966' &/*' 6.)' '3' (' (7 *' ,6/(+'-1'/3)' &(7')9.' 0.-.1'3 /6N' 0'3)90(.)' 24'(7.',-.*(*' &/*' *6/9:7(.-.)' *'' (7/(' (7.' 26'')' *(-./1 3:'+-'1' (*' (7-'/(' 1 :7(' 2/(7.'(7.' ;'(/-4'2.6'&' (' &/*' .*(..1.)' /' 1/((.-' '+':-./(' 1,'-(/30.'(7/(' 3'(' /')-', ' *7'96)'2.'&/*(.)' /3)'(7.'*92%.0(' '+'(7.'-(.'9*.)' /66' 7 *' .++'-(*' (' .3%'4'(7.'+966' 2.3.+(' '+'(7.'*/0-.)' +6''')' 7.'0.-.1'34' &/*' /'6'3:'/3)'0'*(64' '3.'/((.3).)'24' :-./('0-'&)*'&(7'(7.' 1/:*(-/(.*'/('(7.-'7./)' (*'.++.0(*'&.-.'*9,,''*.)'('6/*('+'-' (&.3(4'4./-*$'&7.3'('&/*''+(.3'-.,../(.)' ('&/*'2.6.;.)'(' &'-8''*'1.''*'-('+'*,-(9/606./3*3:'/3)'-.+'-1'/3)'(7.'1/3' &7''7/)'.3%'4.)'*907'/'26.**3:'6.+('(7.'-.0'-')''+' (' '3'*('3.' '+(.3'0'3069)3:'&(7'(7.'*(-83:',7-/*.' ', -',- 7*'-.6:'3'&/*'(7.'+'09*'+'(7.'-./6')..;'('3'+'(7.' 6/*('/:.'+',/:/3*1' ('&/*'*9,,'-(.)'&(7').+/3('O./6' 24'*'1.''+'(7.':-./(.*('*.3/('-/6'7'9*.*'/3)' '++.-.)'(7.' 1'*('*(922'-3'-.**(/30.'('(7./3(,/:/3'6/&*' 7.')..)0/> ('3*(' (7-/'/-.'1'*('391.-'9*N' 3'(7.';.-4'4./-*'&7.3

('/D FFD'O'BB' ('*8' 'B[<'<[B' B[H' 'B<A'U'W<_'GAAA' WA< $7?CCD' '$0' 'O' GA ' ' 'U'G_HA' %MC')Q?K?FQN' F)C DE' ?N' MD'A[M' ?' MD'AW E'?' ,O F' ,'0)@PD'b@'J)FF')'-)K?' @D@C C'')@' @CL O ?@'#)C'?Q@E'L?)' 'NDN?)@P')')Q?K?FQN'O?'C)FQ D NO'1',QD'?NN?E'(8'U GAAA' ,')Q?K?FQN'?'A<.8'@' J)FF'-)K'#)C'OD?NDE'?'MD'NX OD)F'M?QCD'?@'W[M' DO'U'G<B_'' ?' '<<A'HABW'b, L)@'V@CL " '5QE' 5'U'FOFV' DD')' CSD LM'?'MD'CLD@D'@'8Q QT' '_W '(8' 'II'<['<[I'BGG $' 'U'G_HA'G<B_ '' ' '<GA'b D)D' P@')@@C' DUOFD C"'<[A H'' '<G[H 1' '_BG'_<A'_<W'_<'G__H' BG['<[[']<[_'<GG' %MDCD'@CL'KDF?@P' ?'MD'TD)C'W_B WH_'?'&D?@')5' G[_'e'A')@D'O)QL?C')@@?C'O?' O@RQQC' DC D'J)LLQC'LQN'O)D DL' Q)N'PD D D'Q K)@)N'@?@@D'CODLQN' 1 F)D''CQK D 'DP'DULQCC' %M C'D D C'?'MD'TD)'W_B' 7Q'L' @?D' '@'1 P@D C'DE'L?F'HBH

; * '3 */) Q 3 /3*&.-('(74,-/4.-* /(9-. 1'(7.-'+/66 (7 3:* 1 *(-.** '+/66 (7..6.1.3(* (7.,-1/6 2-(7'+/66 (7./:.* *9,-.1.) ; 3 (4 W9..3'+ (7.&'-6) '+ *7/).* + -*(' + (7. 37/2 (/3(* '+ 7./;.3 3 &7'1'/66 :')* 7/;. (7.-93> 07/3: 3:(4,. 3. '&.-/)'-.)24/66 (7.&'-6) 93).- 1/34/ 3/1./3) & (7 1/34 -(.* -4 (74 (./-* /3) /**9/:. (74 :-.+ /6-./)424 14 ,-';).30. (7.)/&3'+ / */; 3:)/4 * 2-./8 3: ((.3) 14 *'6.13 +.*(;/6 /3) /&/ (' (7.('907'+ 14 ,-.*(' &7 07 *7/66 *.(' (7..+-.. E.0'1. 14$ *.-;/3(' /3) 6 ;. 3 7',. 24 0'3*(/3(').;'('3 /3) *(./)+/*(' ,9- (4 ('*..' 14 :6'-4 3 (7.&'-6) ('0'1.R

90 9* /&'8. & (7 / *(-/3:.:6/)3.** 3 (7.+-.*73.** '+ (7.1'-3 3: 7.2-)* /-.* 3: 3:93).-(7. 3*, -/('3'+ (7. *,-3: 7413 3: (7. 1'(7.-'+ (7. *(/-* /3) (7./:.* (7. 1 *(-.** '+(7.93 ;.-*. $ 7.4'93:'+'6 /:. * -9*(6 3: 3 (7. *'9(7.-3 2-..O. 7. *./ * /*6..,7/-)64) *(9-2.) 24 / -,,6. 7. 3/8.) *,6.3)'9-'+ 7./;.3 * 3'(';.6.) 24 / * 3:6. O6'9) M :-./(',-'0.** '3 * +'-1 3: / ,0(9-.*C9. 1/*C9.-/). 3 ;/-'9* 07/-/0(.- /3) 0'*(91. -*(' 0'1. (7. 2.6(.) *'6) .- (7. 793(.-& (7 *7'-(' (93 0 /3) 793(3: *,./-* /3 .++.1 3/(. +:9-. &./-3: %.&.6* /3) +/6*. 7/-/ :6/) /('-' & (7 7.61.(' *&'-) /3) :-./;.* 3'(7.-'+'66'&* & (7 (7. &.66 83'&3 1/3(6. 2./-) /3) */3)/6* '+ (7. &/3>).-3: ,7 6'*',7.- 2./-* 2'-3. /6'3: 3 / 1/(-'3<* 6 ((.- 3 /** & (7 &3:* +/*(.3.) (' (* +6/38* 0/-- .* / +..26. '6) 1/3 (' -.,-.*.3(' E.66.-',7'3 /3) .:/*9* (' (7. 6/9:7 3: 0-'&) '1.3 3 &7(.'-'2.* *0/((.-+6'&.-* /6'3: (7.-'9(. 7.3 +'66'&* / 1 5.) 0-'&) '+ 1.3 /3) &'1.3 /3) 4'9(7* 3 *3'&4;.*(1.3(* 2./-3: ('-07.* /3) 0/3)6.* /3) 07/3(3: / */0-.) ,'.1 (' (7. 1.6') 4 '+ +69(.* 7.3 0'1.* (7. (7-'3: '+ (7. 3 (/(.) 1.3 /3) &'1.3 '+ .;.-4 /:. /3) -/38 06/) 3 &7(. /3) (7. ,-.*(* & (7 *7/;.3 7./)* 0/--4 3: (7.*/0-.) *412'6* N /*(' '+ /66 /-. 2'-3. (7. 1/:.* '+ (7. :-./(' :4,(/3 :')* /3) (7., 5 0'3(/ 3 3: (7.7'64 14*(.-.* $ 3 (7./,,-'/07 '+ (7.07 .+

, OQF U 'L' 'N) DN'C ED QN' 1 D@ DN' DNO? QN' ? K CRQD' ? QC' E? ? @) N' KF) @E?' NQFLD@ DC') N @D ! L) DFQN') Q DN' @QK F?C) ' L) F P @D' E CYDL)' @QE?' CQE?RQD' FQN @ C' O ?O ' COFD@E? D' D) @EDK) 1 'CDE') @ C DC' C) L ? QN' O ? LD DC' FF 'RQ 'L) @E E?F @ D) N @D'L @L QN' ODL ?) FDN') E'QCRQD' DC P) ' C L N' @YDL 'O? D@ CC N? QN' EDQN' O ? D D' K) @' @C P@ C' DUQ) C 1' L' D DK) Q ') K') F ?' L C) ' CDL D ? QN' L) O) U' OD@ QC' LDF) @C' ?OD) ' N) P@ L) D' DQP ?Q C

,-.*(' 909*'&/*'-.*('-.)'('7)1/,(4'24'/'1/:0':/-6/3)'/3)'(7.'1-/06.'*'1/).'(7.'*92%.0('+'/3'/))-.**'3'&707'7.')&.66*'3'(7.',&.-'/3)'(7.':'')3.**'+'(7.':')).**$'Q'E.7'6)R'7.'*/4*''4.'1,'9*')'92(.-*'/3)'-.0':3*.'4'9-'.--'-*'E.7'6)'3.'&7''7/*'24'(7.':-/0.'+'**2..3').>6;.-.)'+-'1'7*'&'.*R'3)'909*'(7/('7*'+9(9-.'6+.'1/4'2.'*7.6).)'+-'1'(7.'0-9.6(4'+''-(93.'*'.57'-(.)'('%'3'3'(7.'7'64'&/-+/-.'/3)',9('3'(7.'4'8.'+'/'&663:'*.-;0.$'7.',-'0.**'3'&(7'(7.'+/;'9-.)'909*'3'(7.-'1)*('*''3'-./07.)'(7.'1/-:3'+'(7.'*./N'7.-.'/'*/0-.)'2/-8'-.>*,6.3).3('&(7'&7(.'*/6*'/3)'.3*:3*'+':'6)'/3)',0(9-.*'+'*(-/3:.':4,(/3'6.:.3)'&/*'0'3*.0-/(.)'&(7'14*(0'0.-.>1'3.*'/3)'*'6.13',-/4.-M'-/:-/3('')'9-*'+66.)'(7.'/-'62/('3*'&.-.',9-.)'9,'3'(7.'&/;.*'7.'7'64';.**.6'&707'&/*'('&3'(7.',-'(.0('3'+'(7.':')).**'+'-'(7.'*/6'-'&/*'6/9307.)'2.+'-.'/':.3(6.'2-..0.'/3)'(7.'0-'&)'&/(07.)'(*';'4/:.'(66'('+/).)'3'(7.')*(/30.

7.3''',.3*'/3'(7.-*0.3.'3'(7.')-/1/'7.',-'0.**'3'-.(9-3*'('*(7.'(.1,6.'7.'1/:.*/3)'*4126'6*'+'(7.':')*/-.',6/0.)'3'(7.'*/30(9/-4'7.3'*(/3)3:''3'(7.'*(.,*'(7.'*0-2.'*9113'3*(7.'*/0-.)'=96)''+'(7.'/*(',7'-';'&.)'('(7.'*.-;0.''+'(7.').(4'('/'*'6.13'1..(3:'.'-./)*'/',-/4.-N'+'-'(7.'1:7(4',-30.'(7.'.3/(.'(7.'83:7(*'(7.'&7'6.',.',6.''+''1.'+'-'/66'9,'3'(7.'*./'+'-'(7.'&./6(7'/3)',-'*,.-(4''+'/66'*92%.0(*'3)'(7.'03:-.:/('3'*)*1**.)'&(7'/'*'6.13'+'-1N'&707'3'(*'/(3'.C9;/6.3('-.1/3*'.12.))).)'53'(7.'3/1.''+'(7.'1'*('*'6.13'-(.''+'(7.'/(7'60'79-07'966''+'(7.'(7'9:7('+'7*'+'-1.-'1*.-4'/3)''+'(7.'%'4''+').6;.-/30.'(7.'3.',74(.'*'6'*('3').;'('3'.'-.1/3*'3'0'3*(/3('/((.3)/30.'2.+'-.'(7.'1/:.''+'(7.'6';3:',&.-'&707'7/*'&-'9:7('7*'*/6;/('3'.'1/8.*'7.-'(.1,6.'7*'7'1.'/4'/3)'3:7('&(7'9('/',/9*.'/-.

'',OQF'%'U'L'G<'EL)@'D'FP?C'D'D?DN'CQQN'DL?P@?CL)@

''RQ?'K')ND@'Q?'CC')RQD'NQ@?'E)'@?ND@'ML'C)@L)D'NF)D''''D'N@CD'YQPQN'CQK'?FQ@)QN

'1''GB'@)DN')KDND')L)N'OLQC'N@C'.PTO?'QN'L?QNCDLQC')DP))N'CQNNQCC)LDE?C''''ED)D'N@LQO)'EDE?)RQD

''L'GB

$1''G_'@EEDN'ED'CQKFN'CQPPDCQ'ED'FK?'ED'FD C')QC)'?)'O)D))Q)''5@LO'1)P@?'D@)QRQD'D'.RQ'?RQD'/?N)@?'5?OQF?'))Q LC'@)KQ)'R@)DRQD'CQK'@OD?'NQ@E'@?C)CDPQ@Q'D)

$,)?C'5^'/E FFD'$'-'''.!'O'<_'@?D'@'&FEDXK)@EC'DE'O'G[<G'%MD'PM'D)E@P'M)C'O?K)KFT'KDD@'DC?DE

*, . 3(' 3' , - / 4 . -' 2 . + ' - . ' 7 . - ' . ' *' + 66 .) ' & (7' 6 ' 3 : 3 :' + ' -' (7 . ' *9 , - . 1 . ' % ' 4' ' +' +966' 0 ' 1 193 ' 3' & 7 07 7 / *' 2 . . 3' , - ' 1 * .)' 7 1 ' 4 . (' 7 . ' 0 / 33 ' (' . *0 / , . ' +- ' 1' (7 . ' / 35 ' 9*' (7 ' 9 : 7 (' (7 / (' 7 *' +. . 26 . ' ; -(9 . ' 1 / 4' 2 . ' 93 / 26 . ' (' ' 8 . . , ' (7 . ' 6 / & ' ' +' (7 *' *, - (9 / 6' *. - ; 0 . $' 3 ' (7 . -' ; * ' 3' +- ' 1' (7 . ' : ')) . **' C9 . (*' 7 *') *(-9*(' / 3)' *(196 / (. *' 7 *' 6 ' 3 : 3 :' . ' -9*7 . *' (' ' (7 . ' (. 1 , 6 . ' / *' (7 . ' '++ 0 . *' ' +' (7 . ' . / -64' 1 ' -3 3 :' / - . ' 2 . : 33 3 :' 7 . ' & 7 (. ' ; . 6*' ' +' (7 . ' 7 ' 64' 1 / : . ' / - . ') - / & 3' / *) . ' 7 . ' 7 ' 64' & / (. - ' +- ' 1' (7 . ' *. 0 - . (' *, - 3 :' *' *, - 386 .) ' 7 . ' 6 (/ 34' ' +' (7 . ') / & 3' *' , . -> +' - 1 .) ' / (' (7 . ' / 6 (/ - *' . ' *' 1 ' - . ' +. - ; . 3 (' (7 / 3' . ; . - ' / 3)' 2 . :*' (7 . ' , ' 3 (++' (' ' /) 1 (' 7 1' (' ' (7 . ' 0 - ' & 3 3 :' - (. ' E9 (' (7 . ' ; . 3 . - / 26 . ' 1 / 3' : . 3 (64' 1 ') . - / (. *' 7 *' (' ' ' . / : . - ' 1 , / (. 30 . ' 7 . ' : ')) . **' 7 ' 6) *' (7 . ' 8 . 4*' ' +' 7 . 66' / 3)' ' +' (7 . ' , / (7' ' +' */ 6 ; / (' 3 ' / 3)' / 66' 19*(' & / (' +' - ' (7 . ' * : 3 / 6' ' +' 7 . - ' & 66 M' . ' & 7 ' ' & 66' . 3 % ' 4' 7 . - ' *. 0 - . (' 0 ' 1 193 ' 3' 19*(') . ' / ' ; ' 693 (/ - 4') . / (7 ' (7 / (' 7 . - ' : - / 0 . ' 1 / 4' - . 0 / 66' 7 1' +- ' 1' (7 . ' ; . - 4' 0 ' 3+ 3 . *' ' +') . / (7' / 3)' 6 +. ' 24' / ' 3 . & ' 2 - (7' / *' (' & . - . ' (' ' -93' / ' 3 . & ' 0 ' 9 - *. ' ' +' */ 6 ; / (' 3 ' 7 . ' ; ' (/ - 4' 19*(' / & / (' 3' , / (. 3 (' 791 6 (4' (7 . ' * : 3 *' ' +' 7 . - ' & 66' / 3)' 1 . / 3 & 7 6 . ' , - . , / - . ' 7 1 *. 6+' +' - ' (7 . ' 7 ' 64' 14*(. - . *' 24' 6 ' 3 :' / 2*(3 . 30 .

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E 9 (' (7 . - . ' *' . / - 6 . -' . ;) . 3 0 . ' (7 / 3' , 9 6 . 9 *' (7 / (' (7 . ' & ' - * 7 , ' '+' * * ' (7 ' 9 : 7' 9 3 +' - (9 3 / (. 6 4' '+ (. 3' 0 ' 1 2 3 .)' & (7' ; . - 4' 6 / 5' 1 ' - / 6 (4' & / *' (7 . ' *' 9 - 0 . ' '+' - . / 6') . ; ' (' 3 / 6' + . . 6 3 :' 3' , 9 - . -' *' 9 6 *' 7 - . . ' 7 9 3) - .)' 4 . / - *' 2 . + ' - . ' 0 ' 3 / ' / 9 6 3 / ' (7 . ' , - . *(. ** ' '+' . 0 / (. ' / 3)' * * $' 2 - . / (7 .)' 7 . -' 6 / *(' 3' 7 . -' , / 6 / 0 . ' '3' (7 . ' *C 9 6 3 . N' 6 9 (/ - 0 7') . ; ' (.)' / ' 6 ' 3 :' . ** / 4' (' ' (7 . ') *0 9 ** ' 3' '+' (7 . ' - (9 / 6' / 3)' (7 . ' , 7 4 * 0 / 6' / 3)' 1 ' - / 6' * : 3 + 0 / 3 0 . ' '+' (7 . ' & ' - * 7 , ' '+' * * ' / 3)' * - *' 7 *' (- . / (*. ' *7 ' & *' (7 . ' */ 1 . ' *, - (9 / 6' / 3)' 1 ' 3 ' (7 . *(0' (. 3) . 3 0 4' (7 . ' */ 1 . ' . 6 / *(0' ; / - . (4' '+' , 7 4 * 0 / 6' / 3)' 1 ' - / 6' 3 (. - , - . (/ ('3' / , , 6 .)' (' ' (7 . ' / 3 0 . 3 (' 1 4 (7 *' (7 . ' */ 1 . ' - . %. 0 ('3' '+' 1 , 9 - . ' (/ 6 . *' '+' (7 . ' : ') *' 2 4' / ' 7 : 7 . -' 1 ' - / 6' 3 (9 (' 3' & 7 0 7' / - . ' 0 7 / - / 0 (. - *(0' '+' (7 . ' 6 / *(' . ++ ' - (*' '+' , / : / 3)' (7 . ' 6 ' : 4' 6 9 (/ - 0 7 <*' 1 / 3 4' / 6 6 . : ' - 0 / 6' 3 (. -> , - . (/ (' 3 *' '+' (7 . ' : 4 , (/ 3' 1 4 (7 *' 1 / 4' *. . 1' ('' / ' 1 ') . 1' - / (7 . -' & . / - *' 1 . ' E 9 (' 3' / ' , / ** / : . ' (' & / -)*' (7 . ' . 3)' (7 . ' ; . - 4' *, - (' '+' (7 . ' , 0' *. . 1 *' (' ' . 1 . - : . ' . 3' / - . ') *(9 - 2 .)' */ 4 *' 6 9 (/ - 0 7 $' & 7 . 3' (7 . 4' / - . ' (' 6) ' 3' ; . 6 .)' , - . *(6 4' / 6 6 . : ' - 4' (7 / (' * - *' - 9 6 . *' ' ; . -' (7 . ') . /) ' 2 4' (7 . ' (7 ' 9 : 7 (' (7 / (' (7 . ' 7 ' 6 4' / 3)' 2 6 . * * .)' = ')' - . / 6 6 4') & . 6 6 *' / 1 ' 3 :' (7 . ' 2 ') . *' '+' (7 ' * . ' & 7 '' 7 / ; . ' , / * * .)' / & / 4 ' Q' E 9 (' . ' 7 1 * . 6 +' *' +/ - ' - . 1 ' ; .)' +- ' 1' . / - (7' , 9 - . ' *(/ 3 6 . * * ' / 3)' 9 3 , ' 6 6 9 (.)' 2 4' / 3 4' 3 / (9 - . ' (7 / (' *' 6 / 2 6 . ' (' ' 0 ' - - 9 , (' 3' / 3)' (') . / (7' 7 . ' * , - (*' '+' 1 . 3' 7 . - . ' 2 . 6 ' & ' . 3 > 0 9 1 2 . - .)' 2 4' 2 ') 6 4' / ++ . 0 (' 3 *' 0 / 3' 7 / ; . ' 3 '' 3 (. - 0 ' 9 - *. ' & (7' = ') ' */ ; . ' ' 3 6 4' / *' 2 4' , 7 6 ' * ' , 7 0' (7 ' 9 : 7 (' (7 . 4' 1 / 4' +/ 3 (6 4' (' 9 0 7' 1 ' / *' 3' / ') - . / 1 ' E 9 (' & 7 . 3' (7 . 4' / - . ' - . 6 . / *.) ' / 3)' 7 / ; . ' , / * * .)' 3 (' ' (7 . ' & ' - 6)' ' +' (7 . ' 9 3 * . . 3 ' (7 . ' , 9 - . ' (7 . ' , / ** ' 3 > 6 . * * ' (7 *' = ')' * 7 / 6 6' 2 . ' (7 . -' : 9) . ' / 3)' 8 3 :' & 7 '') . , . 3)' ' 3' 1 ' / 3)' : / 0 . ' & (7' 3 * / (/ 2 6 . ' 6 ' 3 : 3 :' ' 3' (7 / (' 2 . / 9 (4' & 7 0 7' 1 / 4' 3 ' (' 2 . ' * , ' 8 . 3' 2 4' (7 . ' 6 , *' '+' 1 / 3 R

7. 7 :7.-).;'('3/ +..6 3: &7 07 07/-/0(.- *.) (7. ,/:/3 *1 '+ (7. .)90/(.) O6/** +-'1 (7. *.0'3) 0.3(9-4 &/* /* &. 0/3 *. 3 (7 * ,/**/:. '+ 69(/-07 /00'1 ,/3 .) 24 /) .0).) (.3).304 (' 1 '3'(7. *1 7 * 1 ';.1.3(&/* /* &. *7/66) *0';.- ,/-(64)9.(' 6/('3 0 3+69.30.* , /-(64 (' (7. 07/'* '+ -.6 : '3* 3 &7 07 /+.&'+ (7. 1 '-. 0'11/3) 3: /3) /((-/0(;./2*'-2.) '-/** 1 6/(.) (7. -.*(/3)).-.& 1.3< 1 3)*' (' '3.' -(& ' :-./('2%.0(* '+).;'('3 79* 3 (7. L;*'3 *..3 24 90 9* -.+.--.) (' /2';. * * -.;./6* 7.-*.6+ /* /93 ;.-*/6 '&.- *9,-.1. /66 ,.-;/) 3: &'-*7 ,,.) 1).- 1/34 3/1.*N Q 7. 7-4: /3* 0/66 1. (7. '(7.- '+ (7. =')* /(.** 39*F (7. (7.3 /3* .0-', /3 3.-;/F / 1 /,7 /3 .39* 3 4,-9*F /3/ 0(433/ (' (7. /-07.-* '+ -.(. (7. (4: /3 -'*.-, 3. (' (7. 0 6 /3*F / 1 (7. /30 .3(.-.* /(6.9* * ' *'1. / 1 B93' (' '(7.-* .0/(. 364 (7. (7 ', /3*/3) - /3* 6691 3.) 24 (7. *93<)/&3 3: 6 :7(' /3) :4,(,'&.-+96 3 7.- /30 .3(6'-. 7'3'9- 1.& (7 (7.- (9/6 ,-',.-(' 1. /3)/0/66 1. 24 1 4 (-9. 3/1. W9..3 * *

3 (7. ', - , ' + /0-'2 9* / ,9-.64 ,/:/3 &'-8 '+ (7. + -*(C9/-(.-' '+ (7. + +(7 0.3(9-4 (7.-- * / ,/**/:. &7 07 /,,6 .* (7. */1. *430-.(*1 N 3 -/(7.- / 0-9). +'-1 (' *93 &'-*7 , Q + R -/.(.5(/(9* * 1/). (' */4 Q (7. *93 * (7. -96.- '+ (7. '(7.- 6 :7(* '+ (7. 7./;.3* /3) + (7.*. '-2* 0'3(-'6 '9-).*(34 (7. *93 19*((7.3 7. (7. 6'-) /3) /9(7'- '+ /66 7. 6.**.-). (.* /-. * 1 ,64 (7. ;/- '9* .++.0(* '- ,'(.30 .* '+ (7 * *9,-.1.','&.- M 7. 3/1.* '+ (7.:')* &7 1 &. -.;.-.30. /-. '364).*0- ,('3* '+) ++.-.3( ).,/-(1.3(* '+ * :';.-31.3(&7 ' : ;.* 6 +. /3) '-).- (' (7. 93 ;.-*. R 3)* *' '3.). (4 :6).* 3(' /3'(7.- /* &. +3) (7/(7 * 3/1. '- /((- 29(. * '364 /* (&.-. / -/4 '+ (7. 6 :7(&7 07 Q 6 :7(.(7 / 1.3 R ,'66' * (7. :-./(,'&.- &7 ' -.,.6*) *./*. /3) * 7.30.* 0/66.) (7. Q ./6.- R N 3) (7.).3((4 '+ ,'66' & (7 (7. *93 :') * ,-';.) 24 (7. ., (7.(* '5 9* .6 9* 7'.29* 40 9* '1 9* '- 4(7 9* N ' (/8. '3.

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.5/1,6. (7. ., (7.(4(7 9* &7 07 0/-- .* 3 (*.6+ (7. 1 4(7 '+ (7. *6/9:7(.-' + (7. 4(7'3$ 1 .-.64).*0- 2.* (7. .++.0(* '+ (7. *93<* -/4* '3 (7. 1 *(* '+ ./-(7 .30. (''' ,'66'' * 0/66.) .0.2'69* (7. /-)/-(3: E4 (7. */1. 1.(7') 7. *).3(+.) & (7 2.-' '- '34*9* N & 7'' * 3 (7. 3'0(9-3/6 7.1 *,7.-. &7/(,'66'' * 3 (7. *,7.-.' '+6 :7(3)..) (7. ;.-4 3/1. '34*9* & H ;' HT *7'&* 7 *).3((4 & (7 (7. *93 &7'' * (7. * - .-09-4 /:/ 3 19*(7. /3'(7.-3/1. +'- (7. *93N + '364 2.0/9*. 3 &'-8* '+ /-(' .-09-4 * -.,-.*.3(.) & (7 & 3:*'&7 07 3) 0/(. (7. ;.6'0 (4 '+ 6 :7('' .*096/, 9* 19*(2.).3(+.) & (7 ,'66' $ 2.0/9*. (7.4 7/;. /3 .C9/6 06/ 1 (''(7. * :3 '+ (7. *.-,.3(/3) ('' (7. ,'&.-' '+) ; 3/('3 .-096.* N (7. :6'-4 '+ .-. (7. ,'&.-' '+ (7. / -' * (7. ;/6'9- '+ (7. :')* &7'' 0-9*7.) (7. 1, '9* +/0. &7'').3 .) (7. -') ; 3(4 7. 1%-(7* '+ .39*' /3))'3*N 42.6. /3) ((*$ * * /3) * - *' -.0. ;. (7. */1. ,74* 0/6 3(.-,-.(/('3 3 ./07 0/*. (7. 14(7 * (7. 1/: 3/(;. .5,-.** '3 +'- (7. +/0(* '+ (7. 07/3: 3: *./*'3* (7. */).3.** '+ (7. *7'-(.3 3:)/4* '- (7. :6'' 1' '+ & 3(.- 3 ./07 0/*. & . /--;. '30. 1'-. /((7. 0.3(-/6 &'-*7 ,' '+ (7. *93 3/664 (7. 8 3: '+ (7. :')* N &7'' :'.* (''; * ((7. 26/1.6.** (7 ', /3* /3) '3 (7. (&.6+(7)/4 -.(9-3* (''641,9* * ,6/ 364 (7. *93 3 7 *) 9-3/6 0'9-*. &7 6*((7. :')* &7'' /((.3) 7 1 /-. (7. *(/-* &7'' 3 (7. - - * 3: /3) *.((3: +'66'&* (7.)/64 1'('3 '+ (7. 7./;.3*

'- 1'-. (7/3 (7-..0.3(9- .* *430-.(*1 /3) (7. (.3).304 (''1'3'(7. *1 &.-. 3 (7. /- (7/* 2..3 */) '+ (7. , /:/3 (7.'6':4 '+ (7. (7 -) 0.3(9-4 (7/((* *'3. 0'6'**/6 *430-.(*1 N 1'3: (7. 0'93(6.** 096(* &7 07 +'93) /0.3(-. 3 (7. '1. '+ (7. 1,.-/6 ,.-')(7.-. &/* 3'' *(-+. '-.-.,96* '3 7.4 -.*(.) '3 14(7 (7. 1/:3/(;. .5,-.** '3 '+ 1.3<* +..6 3:* ('&/-)* 3/(9-. '- (7. 14*(.-4 '+6 +. /3))./(7'3'('3) ':1/ 3) (7. 14(7* 0'96) 2. 3(.-,-.(.) 3 1/34) ++.-.3(&/4* 7. /:. &7.3 ./07 0(4 /3)) *(-0(7/) (* ,096/- :')* (7. *.0(/-/3 /:. '+ 7./(7.3)'1 7/) ,/**.) /&/4 (7 (7. /2*'-,('3 '+ *'' 1/34 3/('3/6(.* 3 /' &'-6) &). 1, -.

' 1)L ?K' ', ' ' G_ '<[' CYY' ' 1' 'AG' G
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' 1' 'A[' G < \' /B FFD') '- ' '.!' O' G[A
(1' 'A[' G[

% 7.' 1 , -.' 24')-/& 3:' (':.(7.-' *'' 1 /34' , .', 6.*' & (7'
(7. -' , .096 /-' &'-*7 , *' 1 :7(' *. . 1' (' 7/ ; .' , -')90.)' /'
, - (9/6' 07/'' 3' -./6 (4' (7.' ; .-4' 1 96((9) .' /3)' ; /- .(4' '+' '
(7.*.' -.6 : '3*' 0' 1 2 3.)' & (7' (7.' *, - (9/6' (.3).30 .*' '+' (7. ' '
/:.' 24' 0' 1 , /- *'3' /** 1 6/('3').3(+ 0/('3' (' 6./)' ('' 93 (4'
7.' '6)' :')*' *. . 1 .)' (' &.60' 1.' /6 .3' &'-*7 , *' /3)' 2'--'&.)'
(7. -' *4 1 2'6*' /3)' (7.' -(9/6' '+' (7. -' 1 4*(.- .*' 6(/-*' ('
1 /34'). (.*' &.-.' :/(7.-.)' 93).-' '3.' -''+$ 7.' &'-*7 , , .-'
&/*' -./)4' (' /00., (' +-' 1' /34' 096(' &7/(' */(*+ .)'). ; '9('
+. .6 3:' '-' (/*(.' /3)' +/304' .3' 1 /).').) 0/('3*' (' /' 7'*('
'+'). (.*' '+' .; .-4' 06 1 . $' 7.4' *'9:7(' 3 (/('3' 3' / ' (7.'
J6 $++.- .*' (7'*.' '+' (7.' 6.9* 3 /3' :')).**.*' '+' * *' /3)'
aF$$7 / N' 7.4' /009 1 96/(.)' , - .*(7'')*' 3' (7.' 1'*(' ; /- '9*'
096(*' +') ++.-.3('). (.*' 7/)' * 1 6/-' *4 1 2'6*' '-' +930>
('3*' (7.' (.3).304' &/*' (').3(+4' (7.1' '-' (' *92'-) 3/(.M'
(7.' 6.**' ; :'-'9*' 096(*' 1).-' '3.' '+' :-./(.-' , ', 96/- (4' 7.'
1 /**.*' 24' /' 26 3)' 3*(30(' *'9:7(' +-' 1' /34' C9/-(.-' */(*+/0('3'
+'-' ; /:9.' -.6 : '9*' 0-/; 3:*' &7 07' 2.0' 1.' 1'-.' /3)' 1'-.'
1 , .- '9*' 3' (7.' *.0'3)' /3)' (7 -)' 0.3(9- .*' +'-' 1'-/6' *9, , '-(' '
/3)' , 9- + 0/('3' +'-' /**9-/30.' '+' 1 1'-(/6 (4' 7.' 096(; /(.)'
/3)' 3) ++.-.3(' +'93)' , 6./*9-.' /3)' .50 (.1.3(' 3' (7.' *, 6.3)'9-'
'-' 3' ; .6(4' '+' +'-. :3' - (9/6 M' /*' /' 1 ').-3' *0., (0' 1/4' +3)'
/3' /.*(7.(0' , 6./*9-.' 3' (7.' 0.-.1'3 /6' '+' (7.' /**' 7.' $
:.3.-/6')- +(' '+' *.- '9*' 1 3)*' &/*' *, - (9/664' ('&/-)*' 1'-.'
, .-*'3/6' -.6/('3*' & (7' = ')' /3)' 3(.66.0(9/664' ('&/-)*' /' ; /:9*' $'
$'3'(7. *1' '-' , /3(7. *1' 7.' 1/34 0'6'9-.)' &'-*7 , *$ M'
&7 07' '++.-.)' (7. -' *4 1 2'6 *1' (').; '('3' &.-.' (' *'1.' $
S69$*' (' (7.' =-./(' 4*(.-4' (' '(7.-*') *(/3(' /3)' 3) *(30(' !'
/)912-/('3*' '+' (' 7.' -.6 : '9*' /(((9).' '+' 1/34').; '9('
, /MA/3*' 3' (7.' (7 -)' /3)' +'9-(7' 0.3(9- .*' *' , -'2/264').*0- 2.)
KK'KK' 6.((.-K$+' /5 19* N' /' :-/13 /- /3' '+' /)/9-/' ('
9:9*(3.' /$9(' (7.' 4./-' ?#A' /5 19*' , -'+.**.*' 7 *' *9-.'
/3)' 0.-(/ 3' 2.6 .+' 3' '3.' 9, -.1.' =')' (7.' :-./(' /3)' :6'- '9*'
/(7.-' *' ; -(9.*') ++9*.)' (7-'9:7'9(' (7.' 93 ; .-*.' &.

' 3Q?' ''2 '4 , 'W<
(' (88' ' <_H' IGI<' BI<<
$ 1' 'B[' G__I
' 3)NO E' (0 '?' I
', QP')5' GB' DRQ EDN' Q@QN'
DCCD' EDQN' CQN NQN' C @D' @ ?' C @D'
O ?FD' @) Q)D' ?DQ' O) DN' N)P@QN

) RQD' N)P@ LQN' RQ C') @' EDND@C'
) @' ND@ D' L)O QC' @DPD' DCCD' LD CC'
NQN' &QYQC' @?C' Q DC' OD' NQ@E)'
@QN' ?OQC' E QCDC' NQF C' ?L)KQF C'
@ ?L)NQC' %M C'FD D' CDDNC' ?' D@ED'
E?QK QF' 8 ' 7 PP C' ED@)F ? ')' D)F'
N?@? MD C L' D@ED@LT' @' MD' F) D'
O)P)@ CN' NB 05, ' OO' <A' <W"' c

/)'-. 93).- 1/34 3/1.* * 30. 7 * ,-',.- 3/1. &. 83'& 3'(=') 2.6'3:* ('/66 -.6 : '3* 3) 7.30. &76. &. /))-.** *.,/-/(.,/-(* '+ 1 3 '9-;/- '9* *9,,60/('3* &. /-. -./664 &'-*7 ,, 3:(7. &7'6. 93).- /' (7'9*/3) 3/1.* 3 /' 7/-1'3 '9*) *0'-) (&/* (7. (/*8 '+ (7. .',6/('3 0 ,76'*',74('0-4*(/66 *. 3 (* +'-196/.(7.;/:9.+69) 3*(30(* '+ (7. 1/** '+ 1.3 /3) ('(-4('+3) /' *.0-.(7/-1'34 3 (7.) *0'-)

3 (7. (7-.. 0.3(9- .*6(&..3 69(/-07 /3) /0-'2 9* (7.$./(/ 1 '+ ,76'*',74 *('-./07(7. 3(.66.0(9/6:-'93) '+ (-9(7 93).-64 3: (7.(%'&) '+ &'-*7 ,* &707 :/;. .5> ,-.** '3 ('(7.-.6 : '9* 6*(30('+ 791/3(4 /3) +/(7 3 (7. \%B$*..3 7. +/(7.- '+ (7 * 1';.1.3(*(7., '9* /3) 096(;/(.) */:. '+ 7/.-'3./< &7'' *,-'2/264(7.7 :7.*(/3) ,9-.*(07/-/0(.-.;.-,-') 90.) 3 /' 7./(7.3.3; -'31.3(. * 3,76'*',74/3.06.0(0 6/('3 *(F 29(7.-./664 *+/-1'-. /1'-/6*(/3) (7.'6': /3 (7/3 /,76'*',7.- .2.6.;.* .1,7/(0/664 3 '3. :-./(0.3(-/6 '&.-N &7'' * *'1.(1.* *,'8.3 '+ 3 6/('30 6/3:9/:. /* (7. 3+3(.='') *'1.> (1.* /* (7. /(7.- '+ /66 &7'*. & *)'1 /3) ,-';).30. 0'3(-'6* (7.93;.-*. 69(/-07 7/* /7'--'- '+ (7.*9,.-*(> ('3 &707+./-* (7.&-/(7 '+ =') /3) '+ (7. /(7.*1 &707 ED@DC * .5*(.30.N 7. :')* &'-*7 ,,.) 24 (7.;/-'9* -/0.* '+ 1.3 /-. (' 69(/-07 /* (7.4 /-. (' .6*9* /3) /5 19* '+ 4-. (7. *92'-) 3/(. -.,-.*.3(/(;.* '+ (7. 9,-.1. ='; .-3'-0/66.) 24 1/34 3/1.* 7'3'9-.) 3 1/34 +/*7 '3* 29(/66 ,' 3(3:(7., '9* *'96 (' (7.0.3(-/6 '2%.0('+).;'('3 3 7 *) '0(-3.'+)/.1'3* 69(/-07 +'93) /' -.+9:.+'-, '64(7.*(0&'-*7 , /3) /3.5,6/3/('3 '+ '-/096/- 3*,-/('3 . * */) *(/3(,-':.3('-'+ (7. .',6/('3*1 '+ (7.+'9-(70.3(9-4

.',6/('3*1 &/* (7.:-./(3(.66.0(9/6*9,,'-('+ (7. ,/:/3*,-(3* (7.6/*((&'' 0.3(9-.* '+ (7. 1,-. 7. :.-1 '+ (*) '0(-3.&/* 3(-')90.) 3(' '1. 3 (7.('1.3 (7.+'-0.'+ (7/(*(-/3:.1 5(9-.'+ *9,.-

'/D FFD'O'GGA''f?FFD ' ' " ' WE'O) 'OO'G GGHA''?'7 PPC 3 05,0 'OO'HH IG $ J' ' '" 'B_'_H ' ' ,' $ ' + ' <'GH'L' '*2 '" ' AG'?@'MD'D F O @L OFD' @'MD'#? FE' ED' ' <

'7Q'CQOD C ?@')C EDP)E @P'MD' LM))L D 'MD' DP) EC)C MD'#? CD'' D 'B .'0 ' - !'7 !'A['AG' 0@' 5FQ) LM C KDF D' @'PD@' ?' E)DX N?@C J) EC %0, ' ! , X- ' OO' AII W[' ' 7 PPC $ 05,0 ' O' I<

*(('3 & (7 6'+(4 *,.096/('3 &7 07 07/-/0(.- *.) (7. 6/(.-
.',6/('3 *1 &/* *'' .3)9- 3: /3) 3(.3*.(7/(' 9:9*(3.
).;'(.)('' (' *'1.'+(7.1'*(','&.-+96 07/,(.-* '+7 * (2'03
?0 R 7.-7.('- ,96. 9* '+ /)/9-/'&7''7/)'2..3 3 (/(.)
3 /66 (7.14*(.- .* /3) &7'','*.)/* / 6/,'*(6.'+ 6/('3 *1
7/-/3:9.)':-./(/9) .30.*2'(7 3 '1./3)'(7.,-'; 30.*/3)
+/*0 3/(.)' (7.1'24'/'_ 6/('3 *1 7/6+93).-*('')'1 5.)'& (7
+/30 +96 -.3(/6 *1 R 6'(39*' (7.':-./(.*(' +' (7. 6.5>
/3)-/3*'/-- ;.)' 3 '1.' 3 [VV N -'&)*' +' *.3/('-*'
1/: *(-/(.*'/3)' &'1.3' +'7 :7'-/38' 0/1.' ('6 *(.3' ('(7.
'2*09-.' .6'C9.30.' +' (7. :4,(/3 14*(0' &7'' *911'3.)'
(7.1' 3' &'-)*' &7 07 1';.)' (7.'/)1-/('3' +' 9:9*(3.'
Q ('' +6..' ('' (7.') ./-' +/(7.-6/3)' +' *'96*' &7.-.' (7. /(7.-
)&.66* R' 7.'*900.**' +' 6'(39*' &/* *'' :-./(' (7/(' 7.'7/)'
/')-./1' +' '2(/ 3 3:'/'*.((6.1.3(' +-'1'(7. 1,.-'-'=/66 .39*'
/3)' +'93) 3:'/' 0 (4' 3' /1,/3/' &7 07' *7'96)'-./6 *.' (7.'
)./6' ,'6 (4' +' 6/(' N '-,74-4'/' 4-/3'(7.':-./(.*(' +'
7 *') *0 ,6.*'/3)'/') .06/-.)' +'.' +' 7-*(/3(4'0/-- .)' '3' 7 *'
(-/) ('3' 3('' (7.' + -*(' 4./-*' +' (7.' +'9-(7' 0.3(9-4' (7'
6/1 26 079*'(7.' .',6/('3 0' *4*(.1'93).-&.3(' /':-./(' 07/3:.'
(' /2/3)'3.)' (7.').(/07.)' /3)') * 3(.-.*(.)' 14*(0 *1' +' (*'
,-1.N 7.', .-*.09('3' +' '06.(/3' -.;./6.)' (7.' 3.5>
(3:9 *7/26.' +'-0.' +' (7.' 7-*(/3' +/(7' /3)' (7.')/3:.-' +'
/'-.6 : '9*'-.;'69('3' 7.' +/(.' +' (7.' *07''6*' &/*' 3;'6;.)'
3' (7/(' +' (7.' (.1,6.*' 7 6'*',74' (7-.&' (*.6+' & (7'9('
-.*.-;.' 3('' (7.' 0'3+6 0(' 7.':-./(' 6.5/3)-3.*' &7 6.'-./)4'
('' /)1 (' /' 8.-3.6' +' (-9(7' 93).-' (7.' 79*8' +' 14(7'6': 0/6'
412'6<$ 1/).' 3'' ,-'+.** '3' +' -.6 : '9*' +/ (7' 3' (7.1'
7.-' *900.**'-*' +' (7.' /:.' +' B96 /3' */38' (7.',76'*',7.-'
3' (7.' /-).3(').;'(..N 2.6.;.)' 3' */0-+0.' /3)') ; 3/('3'
/3)' ,-/0(*.)' 1/: 0' /3)' (7.'(7.9-: 0' /-(*' 7.')./6 *(' 19*('
/6&/4*' 0'3(-/0(' *'1.' *(/ 3*' &7.3' 7.').*0.3)*' 3('' (7.' /-.3/'
'+',-/0(0/6' 6 +.' 3)' .',6/('3 *1' &7 6.'3.-; 3:',/:/3 *1'
+'-' (*' 6/*(' 2/((6.' 6'*(' 3/907' '+' (7.' 1'-/6',9-(4' /3)

' ' (!' 4 ' 'G ' XX ' L ')5'
GWH' e' GH
\' 50 ' ``
' 5? OM' ! ' 0 '?' W' ' I
' 4 ' (!' 4 ' 'G ' QK ¯DC ' FFQE'
5F? @ ' QK ') ' \' 9QP D@EQN' DC '
P Q ')E' L) CC N)N' O))N ' D ' K '
O) D ' D ' K '?N@) ^

' 5? OM' ! ' 0 '?' GA
' 7 PP' & 05 , 0 'O' W[<
(3' 5F? @') , ' ' H' G[' '
I' I' ' 'G' ' ' 'B' GI' ' 'B' H' 9?'
M)' L)Q OQ7 D#' ?' N)P L' !' 'W' GG'
?' 5? OM' ' 1 ' ' G W
$)LMD ?').0 ' =' 'O' G

*-/. ' (7.' *07''6' '+' 6.5/3)- /' .**.3(/664' .O6.0(0' /3)' 0'3*.-;/(;.' &/*' 2'93)' 24' /'O'3(39'9*' 07/ 3' '+' (7'9:7(' /3)' +..6 3:'('' (7.' &7'6.',/*(' 096(9-.' '+' .66/*' '+' &7 07'(7.' :-./(.*(' :6'-4' 3'/-(' /3)' 6.((.-*' &/*').- ;.)' +-'1' =-.. '6.:.3)' 6/('' (7. -' :-./(' 1/*(.-' &7 6.' 7.' O6/ 1.)' (7/(' (7.' 1'-/6' *.3*.' 1 :7(' 0'--.0(' (7.' .--'-*' '+' 6 0.3('9*' +/304' 3.;.-' /2/3)'3.)' (7.' 14(7'6':4' '+' 7 *' -/0.' .' 7/)' 9*.)' (' /*' 7.' 9*.)' (7.' /30 .3(' -,7 0' (-/) ('3*' ('' /)'-3' '-' .3+'-0.' 7 *' ,7 6'*',7 0' (./07 3: '-.';.-' /34' *4*(.1' '+' ,7 6'*',74' &7 07').*.-;.*' (7.' 3/1.' 19*(' :9/-)' (*' +-..)'1' /:/3 *1' 7/)' 3'' - :)' *4*(.1' '+')':1/' '-1.)' 24' (7.' -9).' *9,.-*(('9*' +/304' /3)' .3)6.**64' ;/-.)' /3)' :6'-+.)' 74' (7.' :.3 9*' '+',.(-4' (7.' 6.:.3)*' '+' .66/*' 2.6'3:' (''/'('(/664') ++.-.3(''-).-' '+' (7'9:7(' +-'1' (7.').+3 ('3*' '+' 7-*(/3' 0'930 6*' 7.4' &.-.' +'')' +'-' (7.' 1/:3/('3' '-' .1'('3*F' (7.4' &.-.' 3.;.-' /-(06.*' '+' +/ (7' -'1' (7.'* 5(7'0.3(9-4' (7.' :-./(.*(' 1 3)*' \.3',7/3.* $' .*07469* N' 3)/-N' 6/(' M' 7/)' (-./(.)' (7.1' & (7' :-./(' +-..)'1' '+' 3(.-,-.(/('3' /3)' QO- (0*1' /3)' 9-,).*' 7/)' 4./-' /+(.-' 4./-' /(' /' :-./(' -.6 : '9*' +.*(;/6' +'-' 1'-.' (7/3' 7/6+' /' 0.3(9-4' .5.-(.)' & (7' 1,93 (4' /66' (7.'* 92(6.(4' '+' 7 *' /-(' (''6'&.-' (7.'):3 (4' /3)')1' (7.' *,6.3)'9-' '+' (7.' :-./(' +:9-.*' '+' =-.. 8' 6.:.3)' E9(' (7.' 7-*(/3 (4' '+' (7.' +'9-(7' 0.3(9-4' &/*' /' *4*(.1' 0'1,6.(.' &.66' /-(096/(.)').1/3) 3:' .3(-.' *921 ** '3' '+' (7.' -./*'3' (' &'96)' 3'(' (-./(' & (7' ,7 6'*',74' .;.3' '3' .C9/6' (.-1*' (*' (-9(7*' 19*(' 2.'/00.,(.)' 3' (7.' +'-1' 3' &7 07' :.3.-/('3*' '+' 0'3(-';.-*4'/3)' (7.').0*'3*' '+' 0' 10 6*' 7/)' +3/664' 6.+(' (7.1' +' (*')':1/*'))'3'(' *C9/-.' & (7',7 6'*',74' ,7 6'*',74' 19*(' 4.6)' ' *4*(.1' 6 8.' (7.' .',6/('3 0' & (7' (*' -''(*' 3' (7.' '6)' &'-6)' &7'*.' 2.*(' (7'9:7(' (' *(-';.' ('' +9*.' 3('' /' &7'6.' 0'96)' 3'(' 0'1.' (''(.-1*' & (7' /3' /:-.** ;.' -.6 : '3' &7 07' O6/ 1.)' (7.' 1'3','64' c'+' (-9(7' 3' 3'(' *.,/-/(3:' (*.6+' +-'1' ,/:/3 *1' &7 6.' (' *(-';.' ('' 3(.-,-.(' (7.' 14(7*' 3' /' 7 :7.-' *.3*.'(7.' .',6/('3 *(*' &.-.' 1.-.64' (-./) 3:' 3' (7.' +''(*(.,*' '+' (7. -' :-./(' 1/*(.-' :7(' (' 3'(' 2.',** 26.' ('' +3)' /' 3 07.'+'-'./07' '+' (7.*.' 0'93(6.**:')*' 3' (7.' (.1,6.' '+' (7.' 3*0-9(/26.' 3.'H'N' :7(' 3'(' (7.',',96/-

' ,MD@' U' BA' /,' G' AG' L' ' 5 @E' UY' ' <H< / D')@E' 5 DFFD' 6 ' 'O' HA ' 6 5' Q' O' W_H' '/- 25 '?' B $,DCLM' ,' BB' GB[' DD' 5 ?' $ DD MD' DUO?C ?@' ?' MD' D) CD' 1Q)TC' .'" 8 ,- 'OO'AAW' \ 8D' 1TC D C^' @')?MD ?' 'O' GAG AA'' L' 6 . .,'\,DCLMTFQC 'O' GB #

-.6 : '3' & (7'9(' /34')/3:.-'9*' 2-./07' & (7' (7.' ,/*(' 2.' -.0'306.)' & (7' /' ,9-.'(7. *1'H :7(' 3'(' /' &/-1').;'('3' /3)' /**)9'9*' /((.3('3' (' (7.' /30 .3(' -(9/6' 7.' +'93)' 0'1> ,/(26.' & (7' (7.' .0*(/(0' ; * '3' '+' ='$' &7 ' *' 3' 1*.6+' 3/00.** 26.' (' ,-/4.-' '-' */0-+0.' 30'30. ;/26.' 24' 1/: 3/('3' '-'(7.' 7 :7.*(' .++'-(' '+' -./*'3'H

.',6/('3*1' 7/)' *'1.' /);/3(/:.*' ';.-' ('0*1' 3' (7.' /((.1,(' (' *9,,'-(' '-' (' -.*('-.' (7.' +'-0.*' '+' ,/:/3*1' ('0*1':/;.',76'*',70'.5,-.** '3' (' (7.' -.6 : '9*'+..6 3:' '+' '6)' '1.' E9(' 93).-'(7.'6/(.-' 1,-.'/*'&.'7/;.' *..3' (7.' '6)' :')*' 7/)' +/66.3' 3(' (7.' *7/).' /3)' 096(*' '+' /*(.-3' '-:3' 7/)' /0C9-.)' /3' .5(-/'-) 3/-4' ,'&.-' /3)' +/*0 3/('3' 7.' (.3).304' (' 1'3'(7.*1' 3' *'1.' '+' (7.*.' *4*(.1*' &/*';.-4' 1/-8.)F' /3)' (7.'/*0.(0' ,-.,/-/('3'+'-'(7.-' 14*(.-.*'(':.(7.-' & (7' (7.'.0*(/(0' ('3.''+').;'('3'&7 07'(7.4'.30'9-/:.)'7/)' /' 0.-(/ 3' /((-/0('3'+'-'(7.' 4(7/:'-./3' /3)' 6/('3 0' *07''6*' 7.' 6/('3 *(' ,96.9*'6 ;.)' 3' /3' /(1'*,7.-.'+' 1/:0' /3)' 14*(.-4 N' /3)' 3'7 *' (-/;.6*' *'9:7(' 3 (/('3' 3' /66' *'-(*' '+' *(-/3:.' 096(*' &7 07' *(196/(.)' .1'('3' '-' ,-'1 *.)' :6 1,*.*' '+' (7.' 93*..3' &'-6)' 7.'6/(.-' 6.5/3)-/3*' '+' (7.'(1.' '+' B96 /3'+'93)' 3' *93 &'-*7 ,' (7.'7 :7.*(' *412'6' '+' (7.-' .*'(.-0')'0(-3.N

E9(' (7.':-./(' 1./3*' '+' /0'11')/('3'6/4' 3' (7.',-30 ,6.' '+' .1/3/('3$' (' .3/26.)' (7.' .',6/('3 *(' ('' 2-):.' ';.-' (7.'07/*1'2.(&..3' (7.''3.',9-.'/2*(-/0('3N' /2*'69(.64'* 1,6.' 3'(' ('' 2.':-/*,.)' 24' /34' /0(' '+' (7'9:7(' 3'-') .*0-2.)' 24' /34' /((-29(.'/3)' (7.'&'-6)*' '+' *, -(' /3)' *.3*.N' /07' 93 (4' 3' (7.' *0/6.' : ;.*' 2-(7' +-'1' (*' 33.-' .**.30.' (' /3'(7.-' 1'-.' 0'1,6.5'/3)' (7.-.+'-.' 3+.-'-' -' 1' (7.',9-.64' /2*(-/0(' 3.' (7.-.' *' /' :-/)9/(.)' *0/6.' '+' 2.3:$' 93 (4' 1 3)' *'96' (7.' 93 ;.-*.' '+' *.3*.' ./07' *900.** ;.64' .3:.3).-.)' '9(' '+' (7.' 33.-' .**.30.' '+' (7.' 7 :7.-' /3)' * 1,6.-' +'-1' 3(' '*907' /' *4*(.1' (' &/*'3'(' 7/-)' (' ' + (' (7.' :')*' '+' 14(7'6':4N' (' *

')LMD ? ' ' O' G H

' ,OQF' 50 ' <<' C)L%? Q@' @)' @' J)DL)' O) ?O) ' NQF Y@P)' C)L)' D' OFQ N?C' DC' D' C)C' LD N?@)C' C QE ?' D ' D' ? L ?' D P)' ED?C' E E L ' D ' 7 PP C' & 05 , 0 ' OO' <A' XX

$ fDFFD ' ' . " ' ' A' O' BAI' ' VQF)@' " ' ' L?F2 5' L ' $, (B ' ! , ' &= ?Q

' 9?' MD' CD@CD' @' #M LM' 5F? @QC MDFE' M C' ! ' fDFFD ' ' ' ' " . ' ' A' OO' BG <W

$ 1' ' A' O' <

$ 1' ' A' O' < I

' 1)L ?K' ' '. 5' ' G_' GA' P DC')'C NOFD'C) DND@'?' MD' E?L @D' ? ' 5F? @QC' L ' fDFFD ' ' A' O' <W' $ 0- ' ' B'

' DD' MD' DF)K?) D'CTC DN' ? ')FFQC' @')LMD ? ' ' O' GA' ' ? ' fDFFD ' ' A' O' BB_

(-9.' (7/(' (7.-.' /-.' &).') ++.-.30.*' 2.(&..3' (7.' ./-6 .-' /3)' 6/(.-' .',6/('3 *(*' 3' (7. -' /(((9).' (''' (7.' ,',96/-' -.6 : '3' 6'(39*' *' 1907' 1'-.' '+' /' ,7 6'*',7.-' (7/3' /' (7.'6': /3 $' /3)' &7 6.' 7.' (- .*' ('' + 3)' /' 7)).3' 1./3 3:' 3' (7.' 14(7* $' 3' /3' 93*4*(.1/(0' &/4' 7.' 1/8.*' 3'' /669* '3' (''(7.9-:4' /3)').6*' -/(7.-' /12 :9'9*64' & (7' (7.' .5(.-3/6' +'-1*' '+').;'('3 N' '' ('''' '-,74-4 M' &7 6.' 7 *' *4*(.1' .3/26.)' 7 1' ('' + 3)' /' 1.(/,74* 0/6' 0'3(.3(' 3' 6.:.3)' 7/*' 3'' *41,/(74' & (7' (7.' 1/(.- /6 *1' '+' &'-*7 ,' .' 7'6)*' + -164' (7/(' (7.' 9,-.1.' 0/33'(' 2.' /,,-'/07.)' 24' /34' /;.39.' '+' *.3*.' 24' */0- + 0.' '-' +'-1/6' ,-/4.-' =')' *' 7'3'9-.)' 1'*(' 24' -.;.-.3(' * 6.30.' /3)' ,9- (4' '+' 7./-(N' '' 2.0'1.' 6 8.' /3)' '++.-' '9-*.6;.*' ('' 1' *' (7.' /00.,(/26.' */0- + 0.' E9(' (7.' 6/('3 *(*' '+' (7.' +'9-(7' 0.3(9-4' /-.' 1907' 1'-.' (7.'6': /3*' (7/3' ,9-.' ,7 6'*',7.-* N' 7.' &7'6.'+'-0.*' '+'(7.' /30 .3(' *07''6*' &.-.' :/(7 .-.)' 9,' /3)' .1,6'4.)' (''' :;.'*4*(.1'/3)' /'-/('3/6' 2/* *' ('' (7.''6)' -.6 : '3' 7.' + 0('3*' '+' 14(7'6':4' &.-.' %9*(+.)' 24' (7.' .5/1,6.' '+' /(9-.$' &7'' ;.6*' 7.-' *.0-.(*' +-'1' (7.' ;96:/-' :/0.' 7.' 9,-.1.' 3.' 3)..)' (7.' +'93(/3' '+' 2.3:' 19*(' 3'(' 2.' ,-'+/3.)' 24' 791/3' +/304' E9(' (7.'6'&.-' ,'&.-*' 1/4' 2.') 164'-.;./6.)' (''' (7.' 196((9).' 24' /66.:'-4' '-' +/30 +96' (/6. N' 7.' &'-6)' (*.6+' *' /' :-./(' 14(7' &7 07' /(' '30.' 7).*' /3)' -.;./6*' (7.' 14*(.-4' '+' (7.' ;3.' 3)' (7.' ,76'*',7.-' ,-'0..)*' (''' 06/** +4' (7.' 14(7*' /00'-) 3:' (''' (7.' 3/(9-.' '+' (7.' 33.-' (-9(7' &7 07' (7.4' 0'3(/3 N' '1.' 0'3;.4' (7.')..,.*(' (7.'6': 0/6' '-' /*' &.' *7'96)' */4' 1.(/,74* 0/6' (-9(7' '-' .5/1,6.' /(9-3').;'9-3:'7 *' 07 6)-.3' *' 3(.66 :.30.' -.(9-3 3:' 9,'3' (*.6+ $N' (7.-*' '+' (7.*.' + 0('3*' /-.' 1/: 3/(;.' .5,-.*> * '3*' '+' (7.' +/0(*' '+' 3/(9-.' ,'66'' *6/4 3:' (7.' 4(7'3' *' (7.' *93')-/& 3:' 9,' (7.' ,.*(6.3($' +': *' '+' (7.' 1/-*7.*' 7.' 3/1.*' '+' 1/34').(.*' /-.' * 1,64'' /1.*' '+' 3/(9-/6' '2%.0(*' '-' ,'&.-*R' B93'' *' (7.' / -' /(' '30.' * *(.-' /3)' & +.' '+' B9, (.-

')LMD ? ' 'O'G[H
' fDFFD ' 'A'O'<B[') , ' ' G' ' ' ' H'GW
' fDFFD ' ' OO' BBA' <BW' ' A' <BW
')LMD ? ' ' OO' GGA GGB' ' fDFFD ' 'A'OO' <II B[G'#MD D' MD' E?QK C' ? ' 5? OMT T') D' DUO?Q@EDE
' 4 ' 1, ' ' H ' ' '' 2*:' B, ,5 ' B0L' -!' < 5', 0"' B, ,5 ,' !!0 !';5:*B 105 !',1 '!
$)LMD ? ' 'O'GGI')O)'5? OMT D F)' OM F?C?OM D' DNK)CCD' C)@C' D D' FD' O?FT MD CNC
' 1' 'O'GAG
$ 1)L ?K' '0> ' '.5' ' A' _ GI' CL Q@' @ N L)N' DCCD' @) Q)D')OD)N' @QE)NRQD' DUO?C ?@DN' CQ 'D L' ' MD' D#C? '5 ?LFQC' @' MD' M'LD@ Q T' fDFFD ' 'A'O'
' fDFFD ' ' A' O' BAH' L ' 7 PP C' & 05, 03 'O'W[B
)LMD ? ' 'O'GAA
\' 'Q'O'GAW

(7.'6'-)' '+' (7.'9,,.-'*84' * *' *' (7.'./-(7' * - *' (7.'*93' '-' (7.' 1 ' *(' :.-1' &7 07' +.093)/(.*' 7.-.' *' /' 7 .-/-074' '+' :')*$' 0'--.*,'3) 3:' (' (7.' 7 .-/-074' '+' 2. 3:' /3)' (' (7.' +/096(.*' '+' (7.' 791/3' *'9 ' :7'/2';./66' *' (7.' 9,-.1.' 3.'(7.' ='')' (' 2.' /,,-'/07.)' '364' 3' .0*(/*4N' /3' .++'-(' '+' (7.'*'96' +/-' (-/3*0.3) 3:'/34'.5.-('3' '+' (7.'7 :7.*(' -./*'3' 3' &7 07' =')' *' (7.' '2%.0(' '+' /3' 1 1.) /(.'; * '3' '-' 3(9 ('3' /3)' (7.' *.3*.' '+' ,.-*'3/6 (4' *' 6'*(' /3)' *&/66'&.)' 9,' 3' (7.' -/,(9-.' '+' 93 '3' & (7' (7.' ; 3.' 7.3' (7.-.' /-.' (7.' :')*' '+' (7.' 3(.66 : 26.' &'-6)' (-/3*0.3) 3:' (7.' &'-6)' '+' *.3*.' /3)' 7/; 3:' 3'' ,' 3(' '+' 0'3(/0(' & (7' (' '&.-' 3' (7.' *0/6.' (7.-.' /-.' (7.' ,'&.-*' '+' (7.' *.3* 26.' 93 ;.-*.' 0-./(3:' 6 +.' : ; 3:' /3)' ,-.*.-; 3:' /*(64' (7.-.' /-.' (7.')/.1'3*' /3)' 7.-'.*N' 1'-.' 3./-64' /8 3' (' (7.' &'-6)' '+' *.3*.' /3)' /0(3:' /*' 3(.-1.) /- .*' 2.(&..3' (' /3)' (7.'*,7.-.'+',9-.' 3(.66 :.30.' 3' &7 07' -.*).' (7'*.' ,'&.-*' +/-' /2';.' (7.' -.: '3' '+' (7.' *.3* 26.' &7''0/33'(' 0'1.' (''9*' /6(7'9:7'(7-'9:7' (7.') ; 3.' .6.1.3(' 3' 9*' &.' 1/4' -*.' (''(7.1

E.(&..3' (7.',9-.'14*(0*1''+' 6'(39*/3)' (7.'+/3/(0*1' /3)' *9,.-*((' 3' '+' (7.' .',6/('3*(*' '+' (7.'+'9-(7' /3)' +'+(7' 0.3(9-.*'&7''%9*(+.)' /3)',-/0(*.)' 7./(7.3'*/0-+0.*') ; 3/> ('3' '-/06.*' 1/:0' /3)' (7.9-:4' (7.-.' 1 :7(' *..1' ?' 2.' /3' 1,/**/26.':96+' E9('(7.':-./(*4*(.1' (7.'0.3(-.'+'&7 07'&/*' (7.'93/,,-'/07/26.' 3.'-./664'0'3(/3.)' (7.':.-1*'+'(7.' N?C' (7'-'9:7 :' 3:' *9,.-*((' 3' (7/(' (7.'&'-6)' 7/*' ,-'2/264'.;.-' *..3' 7.' (7.'-4'+'.1/3/('3*'3.0.**/-64' 3;'6;.)' /'2.6.+' 3' *.0-.(' *41,/(7.*' /3)' /++3(.*'6 38 3:' (':.(7.-' /66' ,/-(*' '+' (7.' 93 ;.-*.' '+' 2. 3:' /3' 7 1*.6+'(7-'9:7' 7 *' ;/-'9*' +/096(.*' /3)' 0/,/0(.*' *' 3' ('907' & (7' .;.-4' 6 38' 3' (7.' 07/ 3' +' 24' /3' /61'*(' *9,.-791/3' .++'-(' (-/3*0.3) 3:' /34' .++'-(' '+' (7.' -./*'3' 7.' 0/3' -*.' 3' .0*(/*4' (''/3' 1 1.) /(.' ; * '3' '+' (7.' 3*0-9(/26.' 3.' 7.' 0/3' /6*''0'1 193 0/(.' & (7'/3)' /0(' 9,'3'(7.'6'&.-',' &.-*' /3)' +'-1*' '+' .5 *(.30.' 3)' 7.'+3)*' /66.*' 3' (7.' 3;* 26.'&'-6)' 3' (7.')/.1'3*'&7''1.) /(.' 2.(&..3' (7.'&'-6)' '+',9-.' 3(.66 :.30.' /3)' (7.' &'-6)' '+' *.3*.' 79*' (7.' .',6/('3*(*' '+' (7.' +'9-(7' 0.3(9-4'7/; 3:' +'93)' /',6/0.' 3' (7.-'*4*(.1'+'3'(;.

')LMD ? ' ' O' GAB' fDFFD ' ' A' 5' BAH ' % -, ' ' _' W ' W< ' ,QP' .' (!' 4 ' ' G ' L ')LMD ? ' ' O' GA_' fDFFD ' ' A' O' <G[

/3$0 .3(' : ')*'+'93)' 3'') ++ 096(4' 3' 0' 1 193 0F/(3:' & (7' (7. 1' 24' ,-/4.-' '-/O6.' '-' '26/('3' /3)' .;.3' 2.6 .;.)' (7.1*.6;.*' 0/,/26.' '+' & .6) 3:' (7.' +'-0.*' '+' 3/(9-.' ' 1 1 ((.)' +-' 1' (*' '- : 3' ('' (7.' '6)' 1 4(7'6':4' .',6/('3 *1' 3' (7.' 6/*(' /:.' /2/3)'3.)' (7.' -.*.-;.' '+' (*' 4'9(7' /)',(.)' (7.' &7'6.' ,/:/3' *4*(.1' /3)' 3' /3' 3.; (/26.').06 3.' 6.3(' .;.3' (7.' +'-0.*' '+' ,7 6'*',74' ('').. ,.3' (7.' *9,.-*(('3' '+' (7.' /:.' 7.-.' *' /' 0.-(/ 3' */)3.**' 3' (7 38 3:' (7/(' -'069* $' (7.' 6/*(' :-./(' 1.12.-' '+' (7.' *07''6' /' 1/3' '+' 7 :7' 3(.66.0(' /3)' /61'*(' */ 3(64' 6 +.' 8.,(' /66' (7.' +./*( )/4*' 3' (7.' :4,(/3' 0/6.3)/-' /3)' 2.6 .;.)' 7 1*.6+' /26.' (''0/66')'&3'-/ 3' 3' /'(1.''+')-'9:7(.(' (' 1/4' 2.')'92(.)' &7.(7.-'.;.3' 3' (7.' 6/*(' /:.' '+' ,/:/3 *1' (7.' ,9-.-' /3)' 1'-.' .6.;/(3:' *).' '+' .',6/('3 0' *,.096/('3' 7/)' 6'*(' /66' 3+69.30.' /3)' 2..3' 0' 1 ,6.(.64' 2*09-.)' .' 7/;.' *..3' .;).30.' (7/(' (7.-.' &/*' /3' .36 :7(.3.)' 06/**' &7'' &7 6.' (7.4' -.+9*.)' ('' /2/3)'3' (7.' -.6 : '3' '+' (7.-' /30.*('-*' &.-.' ,.3.(-/(.)' & (7'(7.' 6'+(.-' 0'30.,('3*' '+' (7.') ; 3.' 3/(9-.' &7 07' +'-' /' (7'9*/3)' 4./-*' =-..8' ,7 6'*'',74' 7/)' 8.,(' 2.+'-.' (7.' 1 3)*''+' (*') *0 ,6.*' 907' 1.3'-.,.66.)' 24' (7.' 2/*.-' .6.1.3(' 3' 7./(7.3 *1' 4.(' 2'93)' 24' 6'4/6(4' /3)' '6)' /**'0 /('3*'('' (7.' ,/*(' 1 :7(' -./) 64' /00.,(' /' *4*(.1' &7 07' 0'96)' -.0'30 6.' /' 2.6 .+' 3' (7.' 1./3 3:' /3)' */30((4' '+' /30 .3(' 6.:.3)' & (7' /' 6'+(4' 1'-/6' ('3.' /3)' /' +/ (7' 3' (7.' 3+ 3 (.' /(7.-' '-(93/(.64' &.' 7/;.',-.*.-;.)' ('' 9*' /1'3:' (7.').2- *' '+' (7.' + +(7' 0.3(9-4' /' 2''8' &7 07' *7'&*' (7/(' (7.-.' &.-.',/:/3*' &7'' *(66')-.&'+-'1' (7.' *4*(.1' '+' 6'(39*' /'-./6' 1'-/6' /3)' *, -(9/6' *9,,'-(

7.' 0'11.3(/-4' '+' /0-'2 9*' '3' 0.-'<*' 4 , ' 03' '.50) /(.*',-'2/264' +-'1' (7.' .3)' '+' (7.' + -*(' C9/-(.-' '+' (7.' + +(7' 0.3(9-4' (' *' /' 09- '9*' 1 5(9-.' '+' '6)' '1/3' +..6 3:' & (7' (7.' 2.*(' -.*96(*' '+' .',6/('3 0' *,.096/('3 N' (' *' /').;'> ('3/6' (-./(*.' & (7' /' 0.-(/ 3' (3:.''+' 14*(0*1' .(' 7.-.' /3)' (7.-.' 3') *0'9-*.*' '+' /3' .(7 0/6' '-' 14*(0/6' ('3.' &.' 6:7(' 9,'3',9-.64',74* 0/6' '-' 1/(7.1/(0/6') *C9 * ('3*' &7 07' 7/;.' /' +6/;'9-' '+' 4(7/:'-./3 *1' -'1' /' 0'3(.1,6/('3' '+' (7.' 7./;.364' -.&/-)' /&/ (3:' ;-(9.' &.' *9)).364' ,/**' ('' /' 07/,(.-' '3',' 3('6 3.' *9,.-+0.*' /3)' *'6) M' /3)' (7.' 1/3 +'6)

' fDFFD ' ' ' ' " ' ' A' O' ?N' KS' ' ?' LD ?C' $ 5-1 .
_[I' ' 7 PP' OO' WGI WAG ' O@' MD' OM F?C?OM L)F')@E' ? MD'
' ' C' KDC' S@?#@')C' F) @P' O DX C?Q LDC' ?' MD' #? S' !' V)@' O' U
CD DE' ?' QC' MD' 'O - ' '.5 0 ' 1)L ?K' 'O ' ' 5' 3' B' B

1./3 3: 3 1/3<* 6+. /3)).*(34 '+ (7. 3912.- *.;.3$
7. 684 /4 * (7.*7'1. '+ (7.26.**.) /+(.-).//(7M E9(
(* /, , /-.3(64 '+ .C9/6 3(.-.*((').0). &7.(7.- /00'-) 3:
(' 7.', 7-/*(9* (* (7.%930(9-. '+(&' 7.1 *, 7.-.* '-&7.(7.-
.1'0- (9* * - :7(3 -.:/-) 3: (/* / (-/0(* ' (7 0864 *'&3
& (7 *(/-* (7/((7. - 3(.-;/6* /-. '26 (.-/(.) /3) (7.4 , -.*.3(
/ 93 +'-1 691 3'9* *9-+/0. (' (7.) *(/3(:/0.- +(.- /
*(/(.1.3('+ (7.)'0(- 3. '+ .1/3/('3N &. /-. 6/9307.)
9, '3 /) *09** '3 '+ (7. ,6/3.(/-4 1'('3* /-) (7. '-).- '+
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2') .* '3 791/3).*(34 * 1 5.) 9, & (7 0/6096/('3* /* ('
(7.-.6/(;. * O. '+ (7. ./-(7 /3) (7. *93N 7. 1''3 1/-8*
(7.6 1 ('+ / - /3) .(7.- '+ (7.) ; 3. /3) (7. , .- */26.F
/3) 3 (7.3.5(*.3(.30. &. /-. -.1 3).) (7/('9- *'96* /-.
'+ 0.6.*(/6 '- : 3 /3) (7/(&. /-. .5 6.* 7.-. 2.6'& N

7. 2''8 * / * 3:96/- 1 5(9-. '+ ,74* 0* 1'-/6* 1.(/>
,74* 0* 7.-. * 1907 &7 07 7/-1'3 *.* & (7 (7. 2.*(
7- *(/3 *.3(1.3(' *).24 *). & (7 0'6) *(/(.1.3(* '+ &7/(
&. *7'96) -.:/-) /* *0.3(+ 0 (7.'-4 29(&7 07 (7. /9(7'-
0'30.;.* /* / (7.'6':4M .((7. 1/ 3 ,9-,'*. * (' +'-(+4
;-(9'9* ,9-,'*. 24 (7. ,-'*,.0('+ (7. -.&/-) /+(.-)./(7
/3) (7. 0'3(.1,6/('3 '+ (7.) ; 3. '-:3 /3) (7.) ; 3.
).*(34 '+ (7. 791/3 *'96 7.) 1.3* '3* '+ (7. *93
/3) 7 * '-2 (' (7. , .- ')* '+ (7. ,6/3.(/-4-.;'69('3* (7.
,'* ('3 '+ (7. ./-(7 3 (7. *'6/- *4*(.1 1/4 *..1 (' 9*
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0'3*0 '9* '+ / 8 3) '+ 07 66 3 2. 3: /*8.) (' 0'3*).- (7.
-.6/('3* '+ 3912.-* '- (7. ;/*(*, /0.* 2.(&..3 (7. 7./;.364
, 7.-.' *). 24 *). & (7 6'+(4 (7.'-.* '+ '9-'-: 3 /3) ./-(764
) *0 , 6 3. /3) '9- +9(9-. 3 /3'(7.- &'-6) .((7./, , /-.3(
30'3:-9 (4 1/4 2. .5, 6/ 3.) ' /0-'2 9* /3) 7 * 06/**
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G 1)L ?M ', '. 5 B < @)N
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(7$' 3*0-9(/26.' **.30.' &7 07'24'*900.** ;.'*(/:.*' '+' :.3.-/> ('3' &/*' (7.' *'9-0.' '+' (7.' '-2*' '+' (7.' *84' '+' (7.' *'96' '+' 1/3' '+' (7.' 1./3.*(' 0-./(9-.' ,'**.**.)' '+' 6+.' ('3..)*'/3' .++'-(' '+'*41,/(74'/3)' 1/:3/('3'('.3(.-' 3('' (7.' *, -('' '+' /34' '9(&'-3' (7.'6':4' '' 93).-*(/3)' (7/(' .5,'93).)' 24' /0-'29*'4'9'19*('6''8'9,' 3('' (7.').,(7*' '+' (7.' 7./;.3*' '3' /' *9 1 1.-' 3 :7('/3)' (-4' ('' 2.6.;.' (7/(' 4'9-' ,/-(096/-' *,/-8' '+' *'96' 7/*' (-/;.66.)')'&3' ('' ./-(7' (7-'9:7' /66' (7.' *,7.-.*'+-'1' (*'*'9-0.' 3'(7.') ; 3.'.(7.-'/3)' (7/(' /+(.-' (*' .*0/,.' +-'1' (7.' ./-(764' ,-*'3 7'9*.' (' 1/4'-.(9-3' /:/ 3' ('' (*') *(/3(' 2 -(7,6/0.

7.'0'11.3(/ 4' '3' (7.' 4 , ' 03' '.50' .3/26.*' '3.' ('' 93).-*(/3)' 7'&').;'9(' 1 3)*' 0'96)' .;.3' ('' (7.' 6/*(' -.1/ 3' /(((/07.)' ('' ,/:/3*1' (' ,-.*9,,'*.*' -/(7.-' (7/3' .5,'93)*' (7.' (7.'6':4' '+' .',6/('3*1' (*' 07.+' 1'(;.' *' -/(7.-' 1'-/6' '-').;'('3/6' (7/3' *,.096/(;.' 7.' 3.' *9,-.1.' 93/,,-'/07/26.' 3.++/26.' -.*) 3:' 3' (7.' 7:7.*(' 7./;.3' *' /**91.)' /*' (7.' *'9-0.' '+' 1 3)' /3)' 6+.$',.3.(-/(3:' /66' (7 3:*' +-'1' (7.' *(/-' 3' (7.' 7 :7.*(' .(7.-' ('' (7.' 6'&.*('+'-1' '+' /3 1/6' .5 *(.30.' 7.' 93 ;.-*.' *' =')<*' (.1,6.' +66.)' & (7' *' ,-.*.30.N' 7. 1*..3' 30'30.;/26.' 9(7'-'0-./(.)'+-'1' *' .**.30.',9-.'1 3)' 3' (7.'6 8.3.**' '+' 1*.6+' 3'0'3(/0(' & (7' 1/((.-N' 1 3)').:.3.-/(.*' /3)' 2.0'1.*' *'96' 3' (7.' *0)6.' '+' 2. 3:' (7.' 1''3' 1/-8*' (7.' 6 1 (' 2.(&..3' (7.' .(.-3/6' /3)' (7.' ,.- *7/26.' /3)' /66' 2.6'&' (7.' 1''3' *' 1'-(/6' /3)' .;/3.*0.3(' .50.,(' (7.' 7 :7.-',-30 ,6.' 3' 1/3 M' /** 3:'+-'1' (7.') ; 3.' &'-6)' (7-'9:7' (7.' :/(.'+' /30.-N' 1 3)').*0.3)*' :-/)9/664' 1' /'+/ '+-'1' (*' '-:3/6' 26.**.)3.**' (7-'9:7' (7.' *.;.3' *,7.-.*' /3)' 3' (*',/**/:.' (7.') ; 3.' /3)' 93 ;.-*/6' .6.1.3(' /**91.*' (7.' ;/-'9*'+/096(.*' &7 07' 1/8.' 9,' (7.' 0'1,'*(.' 3/(9-.' '+' 1/3' 3' /(9-3' (' /0C9-.*' (7.'-./*'3 3:',' &.-' 3' B9,(.-' (7.' ,-/0(0/6' /3)' 1'-/6' 3' /-*' (7.' *,-(.)' 3' .39*' (7.' *.3*9/6' .6.1.3(' E9(' 3' (7.' ,-'0.**' '+').*0.3) 3:' 3('' (7.' 2')4'(7.') ; 3.',/-(' *9++.-*' /'*'-(' '+' 3('5 0/('3'/3)' '26 ;'3' '+'(7.' &'-6)' +-'1' &7 07' (' 0'1.*N' 3'*'1.' 0/*.*')..,.-' (7/3

G 1)L ?K' 'O ' '.5' 'G_' GA' ' ? ' 3' G '
' 1' 'G 'A' ,@E' MD')EEC' #M)' N)T' DN @E' QC' ?' C?ND' OM)CDC' ?' ' 5)QF' CL) RQD' RQ CRQ C' @' QCQN' DNOF' MQ'Q)' @EQL Q' Q' C K' D@EQN'C)LD E? C

(' 1' 'G ' _
' 1' 'G 'GB
$ 1'G'GA'G ' ? '5F? @') , ' ' W'G<
$ 1)L ?K' 'O ' '.5' 'GA' H' Q@ED' D'L?NDC' DK D) C' ?KF ?' FF ?')@ N C' @L O 'Y) N' F) DQ D' ?K DOD D

3''(7.-* 79*(7.)++9*'3''+*'96/1'3:2')64+'-1** */ 83)''+).//(7F/3)(7.2')4**'364'/ ,-*'3$'-/(7.-/ ('12&707'0/33'(2.C9((.)*/;.24'/*.0'3)).//(7'(7.).//(7'('* 3'/3).//-(764',/**'3M 7.'*'96'19*('3'(.-13/(. (* 1,-*'31.3(3'(7.+6.*7'24'/34';'693(/-4'/0('29(,9-+4' (*.6+'/3)'/&/('(7./,,'3(.)'79-'&7.3'(*-.6./*.'&66'0'1.' 90).'*'3'('364'-.2.66'3'/:/3*('(7.'=-./(' /*(.-N'('* /6*''/3'/0('+',/**'3'/3)'(7.'*'96M'/*' 6'(39*'(./07.*' &707'C9(*'(7**1'-(/6'6+.'&(7'(7.'*'69-.'+'*3'9,'3'(' +/66*'3('/3'/24**+-'1'&707'('1/4'3'('-*.'/:/3' '->' ;.-'(7.7./;.364'-.&/-)'*',-','-('3.)'('(7.).:-..'+' ,.-+.0('3'&707'&.'/(((/3'7.-.'2.6'&N'/3)'(7.-.+'-.'(7. 1'-(/6'(.-1'*7'96)'3'('2.'09('*7'-('&76.'9-',-'2/('3'*'*(6' 30'1,6.(.'/3)'*''6'3:'/*'/34'1,-';.13('1/4'2.'1/).' (' *'(-9.'(7/('(7.*'96'*7'96)'/6&/4*'*(-;.'('-.1.12.-'(7.' *'9-0.'+-'1'&707'('*,-/3:N'/3)'-.:/-)'(7.'2')4'/*'/'*'-('+' 7.66<$.:-/).)'*'96*'&7''7/;.3.:6.0(.)'(7.-'(1.'+',-'> 2/('3'06 3:'('(7.'1'-(/6'.6.1.3('/+(.-').//(7N'/3)'3*(./)'+' /*0.3)3:'/:/3'('(7.')';3.'&'-6)'/-.'))''1.)'('2.'1> ,-*'3.)'3'2-9(*7'+'-1*'/3)'9((.-64'+'-:.('(7.-'7./;.364' '-:3' 7.'364'7',.'+'.(.-3/6'7/,,3.**'*';-(9.N' 0,'<*)-./1',-'1*.)'.(.-3/6'+.60(4'('(7'*.'&7''7/;.',-'(.0(.)''-' */;.)''-'/::-/3)*.)'(7.*(/(.Q' E9('(7.-'/-.'7:7.-).:-..* '+';-(9.'(7/3'(7/('+'(7.'7.-'0'/3)'*.6+*/0-+03:'0(0.3' 76.'0;0';-(9.'1').-/(.*'/3)'03(-'6*'(7.',/**'3*'(7. 06./3*3:';-(9.*'1/4'.-/)0/(.'(7.1$$'(7.'*/3(64'/3)'14*(0' ;-(9.*'1/4'/(((/3'('0'1,6.(.'+'-:.(+963.**'+'(7.-'/669-.13(*' /3)'3'/'6/*('; 0('-'9*'.+'-($N'&.'1/4'.;.3'-*.'('.3(9.' /2*'-,('3'3'(7.');'3.' 79*'(7'9:7'(7.':''')'1/3'&66

'1)L?K''''.5''GW'B'N?)N'E?Q'LQN')@N)')EMQL'@'L?X O?)'L?@C Q D'L?O?D)C'@FDLDK)C' OMF?)?OM)'E?LD@D'??@DN@ '%MC' M?#D D''C')@'?FE'M?QPM''53' ,'B_'8''!'3AM0,K3A-! = kb% C' ?' 0= ' # ' A5,0 '1)L?K''0''.5''GW'H ''''GW'I''L''GW'? \'1''GW'G<'LQN'L?@C D'D' @Q@D)?@DN')@NC'4F?'DCCD'KQD@ E)N'O?'N?E?'OD DL?@C')E'RQ)N'@' MCL'')'Q@)'RQ)DRQD'OD D@ ''' '''I'W ''''G['G_ $'53',''HG?'C'fDFFD' A'BW['1)L?K''0''.5'Q'H'W'C?F)D')LQ@' Q DC'KD)QN \'1'3'' \'G<''H'I'O)CC?@DC'P@? D' @?@' @LD D'Q'@DCL)'))L'?QO)' @MF' &?#'@D)'MC'L?NDC'?'MD' MC)@')CLD L'ED)F?'M)')PD '1''H'I''?@'MD'-D?OF)?@L' DLC)CT'fDFFD''A'OO'<I'_<

, . -+ ' - 1 ' (7 . ') 9 (. *' ' +' 7 *' . / - (764' 6 ' (' 7 . ' & 66' - . / 6 * . ' (7 / (' (7 . ' . / - (7' *' 29 (' / ' , ' 3 (' 3' (7 . ' 3+ 3 (9) . ' ' +' (7 . ' 1 ; . - *. J' (7 / (' (' *' (7 . ' *, 7 . - . ' ' +' (7 . ' 1 ' - (/ 6' / 3) ' (7 . ' (- / 3* . 3 (' / 3) ' 7 . ' & 66' 7 . ' - . /) 4' (' ' (9 - 3' / 3' . / - ' (' ' / 34' . 07 ' ' & 7 07' - . 0 / 66*' (7 . ' . (. - 3 / 6' 7 / - 1 ' 3 . *' ' +' (7 . ' 7 . / ; . 3* N' . 30 . ' 7 . ' & 66' 1 / 8 . ' 6 : 7 (' ' +' : 6 ' - 4 N' / 3) ' / 1 ' ' 364' / (' (7 . ' / , , - ' ; / 6' ' +' 0 ' 3*0 . 30 . ' ' - ' ' +' (7 *' * 1 / 66' *, ' (' 3' (7 . ' 93 ; . - *. ' 7 ' & ' * 1 / 66' / ' , / - (') ' . *' ' 9 - ' - / 0 . ' , ' **. ** ' 7 . ' + / 1 . ' ' +' ' 1 . ' 7 / *' 3 ' (' , / **.) ' 2 . 4 ' 3) ' (7 . ' = / 3 : . *' ' - ' (7 . ' / 90 / *9 * F ' / 3) ' (7 . ' 1 ' * (' * , 6 . 3)) ' + / 1 . ' *' 29 (' 2 - . +' ' - ' / 66' 791 / 3' (- /) (' 3' *7 ' & *' 7 ' & ' *7 ' - (' *' (7 . ') 9 - / (' 3' ' +' / 34' 7 *(' - 0' , . - ') ' 7 . ' 93 ; . - *. ' 1 / 4' 2 . ' . (. - 3 / 6' 29 (' + - . ' / 9) ' +6 ' ') ' 3' - . : 96 / - ' / 6 (. - 3 / (' 3 * N' , - . ; / 6' / 3) ' *& . . , ' 3 (' ' 26 ; ' 3' 1 / 3' / 3) ' / 66' 7 *' & ' - 8 *' * / ; . ' 3' / ' + . & ' *7 . 6 (. - .) ' 7 ' 1 . *' ' +' 1 1 . 1 ' - / 6' 096 (9 - . ' 6 8 . ' : 4 , (' & 7 07' 1 / 3 (/ 3' (7 . ' 0 ' 3 (39 (4' ' +' (7 . ' - / 0 . ' 3' (7 *' *0 . 3 . ' ' +' 1 ' - (/ 6 (4' / 3) ' *7 ' - (6 ; .) ' 7 ' , . *' (7 . ' ' 364' & *) ' 1' *' (' ' 3 ' 9 - *7' (7 . ' 7 ' , . ' ' +' / ' 6 + . ' (' ' 0 ' 1 . N' (' ') ' ' ' 3 . <*') 9 (4' (' ' (7 . ' +/ (7 . - 6 / 3) ' ' 3' . / - (7 $' & 7 6 . ' . ; . - ' 1 3) +96' ' +' (7 . ' (- 9 . ' +/ (7 . - 6 / 3) ' ' +' *' 96*' & 7 07' *' Q . (. - 3 / 6' 3' (7 . ' 7 . / ; . 3* R' N

(' 1 / 4' 2 . ' */) ' (7 / (' (7 . ' 0 ' 1 1 . 3 (/ - 4' ' 3' (7 . ' 4 , ' 03' ' 50' - . , - . *. 3 (*' (7 . ' 14*(0 *1 ' ' +' / ' *1 / 66' 0 - 06 . ' ' +' , 7 6 ' * ' , 7 0') - . / 1 . - *' / 3) ' 3 ' (' / ' : . 3 . - / 6' *(/ (. ' ' +' 1 ' - / 6' +. . 6 3 : ' 3) ' 0 . - (/ 364' (7 . ' *. . 8 . - ' + ' - ' 7 *(' - 0 / 6' (- 9 (7' *7 ' 96) ' 3 ' (' . 5 / : : . - / (. ' (7 . ' 3+69 . 30 . ' ' +') . / 6*' & 7 07' 3' . ; . - 4' / : . ' / - . ' (7 . ' : 9) . ' ' +' ' 364' / ' 1 3 ' - (4' (' * ' 7 ' & . ; . - ' / 3' . ; . 3' : - / ; . - ' +/ Y 6 (' (' ' + 5' ' 3 . <*' : / O . ' 3' (7 . ' 2 / * . - ' *) . ' ' +' , / *(' / : . *' / 3) ' (' ' : 3 ' - . ' & 7 / (> . ; . - ' (7 . - . ' *' ' +' 7 ' , . ' / 3) ' , - ' 1 *. ' 3' (7 . ' *6 ' & ' / 3) ' , / 3+96') . ; . 6 ' , 1 . 3 (' ' +' 791 / 3 (4' 907' *' 3 ' (' (7 . ' 7 / 2 (' ' +' / ' * ' 93) ' / 3) ' *0 - 9 , 96 ' 9 *' 7 *(' - 0 / 6' *, - (' ' - ' *' (7 . ' / (((9) . ' ' +' / (- 964' - . 6 : ' 9 *' 1 3) ' (' *7 ' & *' 29 (' 6 ((6 . ' +/ (7' 3' (7 . ' / (7 . - ' +' / 66' *' 96*' (' ' 2 . 6 . ; . ' (7 / (' . ' . ' 3* : 3*' & 7 ' 6 . ' : . 3 . - / (' 3*' +' *' 07 6) - . 3' 1 . - . 64' (' ' (7 . ' & ' - *7 , ' ' +') . ; 6*' & (7 ' 9 (' / 34

' 1) L ?K ' ' 0 ' ' . 5 ' 3' GB ' B ' b D) '* RQ) D' ?) ' OQ@L ' F ? LQN ' O ?' L) DF ' N) P@ ' QE @D' U' ?K @D

$ ' ' W ' _ GG ' RQ) ' @' L ? OQC' ED D ' NDN ?) N' NQC L) D' LQYQC' @' L) DF ?' Q ' L ?@CL) ' 0@' MD' NQC L' ? ' MD' COMD DC' L ') , ' ' ' H ' 3 MO ' ' , ,!' ! * ! ' S59=0!

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$, QP ' ' (! ' 4 ' U ' G ' FFQE' 5F ? @ ' QK ') ' \' 9QP D@EQN ' DC ' P Q ') E' L) CC M) N' O)) N ' D ' K ' O) D ' D ' K ' ?N@) ^' ' 1) L ?K ' @' ' O ' ' . 5 ' ' I ' W

:6 1 ,*.' '+ 1*.6+' /3)'('')&.66' 3'(7. -'26 3)' /2.--/('3*' '+ *9,.-*(('3' 3' :-', 3:' ('&/-)*'(7.'6 :7(' /3)' '3'(7. -'+-/3(0' .++'-(*' ('' 0/61'(7.'(.--'-*' /3)'(7.'6'3: 3:*' &7 07' /-.' 3*, -.)' 24' (7.' 3.-/) 0/26.' +/ (7' 3' /' &'-6)' '2.4'3)' (7.' :-/;.' /(7.-'*7'96)' &.' &.60'1.' 3) 0/('3*' (7/(' =')' 3.;.-'9((.-64' +'-*/8.*' (7.'0-./(9-.*' '+ *' 7/3)*' /3)' (7/(' 3' (7.').0/4' '+ /30 .3(' 7./(7.3 *1'(7.-.' &/*' /' 1'-/6' /3)' *, -(9/6' 6 +.' &7 07' &/*' ('' 2.' 3'9- *7.)' 3' /3' 93.3) 3:' +9(9-.' 24' (7.') ; 3.').'/6*' '+'=/6 6..

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&/* 3.;.-* *'' 2.3.+ 0.3(/3) * '') '-.) 24 (* -.1'(. *92%.0(* M
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(7. 1.3 &7'' /-. -.,-.*.3(.) /* (7. ; 6.*('+ 1/38 3)
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*,'(6.** L; -(9. (7. 1'*(7.-' 0 .3.-:4 &'96) 7/;. /;/6.)
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(7.-. &.-. 3 (7. 6/*(,/:/3 :.3.-/('3 1.3 &7'' 7.6) /1'-.
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(7/3 (7. -/30.*('-* &7'' 0'3C9.-.) /-(7/:. /3) /0.)'3 /
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/ -.(-./(3:7'*(,-.**.) 7/-) 24 (7. ; 0('- '9* .3.-:4 '+
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&/* 3'(/6&/4* /26. (')'' %9*(0. (' (7. .' &7 07 &/*
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VQ U A[L?FFDL DE ?@ M C CQKYDL ' @ 9QC DF ED
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'+ 6'/1 +.66 '-.';.-.;.9 & (7 3 (7.- '&3 -/38* (7. 3.& *, - (' +/*0.(0*1 &707 0'96) +3) */6;/('3 '364 24 +6..3:+-'1(7.&'-6) /3) &707 3 (7.-.0'6 +-'1;0.*.(9,/'*(/3)/-) '+*9,.-791/3;-(9$ '&/*3'(/6&/4*07/-(/26. 3 (*%9):1.3(*.;.3 '+ 7-*(/3* &7' -.1/33:3'(7. &'-6) (' 2./- (* 29-).3*))3'(.*0/,. (* *(/3* 79* (7/('6) **0.(4 7/)3'('364('.3)9-. (*'&3*.6+-.,-'/07+96)'92(* /3) C9.*('33:* 3 (7.+/0.'+ -9 3 29(7.+.-0. 3('6.-/3(0-(0*1 '+(7.4'93:.-*'0.(4 &707'0'96) '+(.3 +'-:.(/66)9(4('(7./-(764'0'11'3&./6(7 3 (7.-/,(9-.*'+ /14*(0).;'('3'-3 (7..++'-('('.*0/,.+-'1(.1,(/('3* &707/-./* ,'&.-+96 3 (7.& 6).-3.** /* 3 (7.0-'&).) 0(4 3) (7./307'-.('&7''(793).-.) /:/3*(7.;0.*'+ 7*/:./7/) 2..3 2-.) 3 (7. '1/3*07''6* .7/) 2..3 3'9-*7.) 3'7*'4'9(7''3 B9;.3/6 /3) -',.-(9* /3) /0(9* +7./7/) 3'(/66 (7.-6(.-/-4*866 7./7/) &(7 3 7 1 /+.-0.-7/(-.) /3) /;.-*'3'+'-(7.*3* /3) &./83.**.* '+1.3 (7/3.;.3 B9;.3/6 7/) +.6(7.4 &.-. ('7 1 (7.3/(9-/6 '++*,-3:'+(7.')/.1'3* '+(7.'6) 14(7'6':4$ &7''7/) & (7 7.66*7 3:.39 (4 0'--9,(.) &7/(.;.- '+3/(9-/6 ,-'2 (4 /3) :'')3.**(7.-.&/* 3 (7.'6) '1/307/-/0(.- 7. 7-*> (/3 0'3(-';.-* /6*(0'96))'' %9*(0. (' (7.:-./(;-6. C9/6(.* '+7 *-.1'(./30.*('-* &7''&'-*6 ,,.) B9,(.-/3) .39*$.'0'96)7/-)64 2.6.;. 3(7.;-(9.'+0'3(.1,'-/-.* &7''-.+9*.)('' /00.,(7.+/(7' '+ 7-*(' 7. 7-*(/3'0'3> (-';.-* /6*(* 93)'92(.)64))/':-./(*.-;0.('' 791/3(4 &7.3 (7.4 7.6) 9,('' 6'/(7 3:(7.'2*0.3(.* '+(7. 6'-/6 /3) (7.(7./(-. /3) (7.0-9.6(.* '+(7./-.3/N E9(('*7'96) 2. -.1.12.-.) (7/(*'1.'+(7.2.((.-,/:/3* 6''8.) & (7 6((6./,,-';/6'3(7.*.'0'--9,(3:) *,6/4*$ .3 & 66 '+(.3 -*. /2';. (7. 6.;.6 '+/ 2/) -.6:'3 %9*(/* (7.4 0'3> *(/3(64 +/ 2.6'& (7.*(/3)/-) '+/':'') '3. 7.*.;.-.*(0.3*'-* '+(7.1'-/6(4 '+(7.+ +(7 0.3(9-4 /-. B.-'1./3) /6; /39* 3) &. *7/66 *.. 3(7.*.C9.6(7/(7.7./;.*(0'3).13/('3 '+2'(7+/66* '3 ,',96/('3*3'1 3/664 7-*(/3

,QP (! 4 G GB AA WW \ 1 GW G< VD ?NDC)5 B[e <RQ E NDN? DN ;?N)@?C EQLDC RQ? QN % Q DC RQ)C RQ KQC E)N C DFF C 3) @)D N L)@ M C ?)D Z

$,QP (! 4 A_ 5 QED@ L '2 W_H L %D QFF : .,. G[50 WW VQ BW ,NN 1) L' UU AI U B AB _ W VQF)@ / , 5)5 e W[b&D F? Q C DE WHI"

(7.4 1 :7(7/;. 2..3 0'1,'*.) & (7 .C9/6 (-9(7 3 (7. -. :3 '+ .-'' '- '1 (/3 7. '1/3 3'26. 7/* 07/3:.) 6 ((6. 3 (7-..793)-.) 4./-* ( )'.* 3'(*9-,-*. 9* (' 7./- (7/((7. 1/*(.-* '+ (7. &'-6) /-. ,'**.**.) '+ ;/*( )'1/ 3* 3 .;.-4 ,-'; 30. +-'1 (7. - * 3: (' (7. *.((3: *93 6(7'9:7 (7.4 7/;. 3'' 6'3:.- (7. ,'6(0/6 ,'&.- '+ (7.- /30.*('-* (7.4 7/;. (7. ;/3 (4 '+ / ,/1,.-.) 0/*(. /3) (7.4 & *7 (' ,-'6'3: /3 3:6'- '9* 3/1. 24 :6).) *(/(9.* &7 07 0'1 1.1'-/(. 3'(7 3: 7.4 -).(7-'9:7 (7.*(-..(* 3 6'+(4 0/-- /:.* /)'-3.) & (7 /;96:/- *,6.3)'9- '+)-.** &7 07 * 3'(-.)..1.) .;.3 24 (* 3:.39 (4 3 (7.- ,-':-.**.* (7.4 /-./((.3).) '-,-.0.).) 24 /3 /-14 '+ *6/;.* 06 .3(* /3) .93907* 7.-07'0.*(,6./*9-.* /-. 3 *& +(7'-*.* 79--4 3: (7-'9:7 (7. *(-..(* & (7 (7. *,..) '+ (7. ,'*('3 (7.: -./(-'/)*F '- 3 6'3: /3) .6/2'-/(. 2/3C9.(* /(&7 07 (7.* O. /3) &. :7('+ +*7 '- :/1. /-. -.0'-).) /* 3 B9;.3/6<*)/4 /* / 1/((.- '+ 7 *('-0/6 3(.-.*(7.-6 2-/- .* /-. ',.3.) /* *.6)'1 /* (7.- +93.-/6 ;/96(* 29((7.4 -/;. /2'9(19* 0 /3) (7./(-0/6 ,.-+'-1/30.* 4)-/96 0 '-:/3* /3) 64-.* /* 6/-:. /* 0/-- /:.* 1 3 *(.-('' /).:-/).) (/*(. 3 19* 0 3 / (1. '+ +/1 3. &7.3 /66 +'-. :3.-* 3069) 3: (7. ,-'+.**'-* '+ (7. 6 2.-/6 /-(* &.-. .5,.66.) +-'1 '1. (7-..(7'9*/3))/30 3:: -6* & (7(7.-(./07.-* &.-. /66'&.) (' -.1/3 +(7.:-./(1/3; *(.) (7. ,926 0 2/(7* 7.* &'96) */69(. .++9*;.64 *'1. *6/;. '+ 7 * ; 0.* &7'1 /66).0.3(,.',6. &'96) /;') * '364 +- .3)*7 ,* /-. (7'*.' '+ (7. :/1 3: (/26. + /-.*,.0(/26. 1/3 +-'1 ,-'; 30 /6 ,/-(* ;.3(9-.* (' 0/66 '3 (7.:-./(,-*'3/:.' 7.* -.0. ;.) /(+ -*(& (7 .++9*;. 0 ;6(4 + (7.; *(* -.,./(.) 3 /66 7'3.*(0'3+).30. 7. & 66 +3) (7/(7 * ;.-4 3/1. /3) .5 *(.30. 7/;. 2..3 +'-:'((.3 7. .+ +.1 3/(d 3'26. &7'' (/8.* /%'9-3.4 (''; * (/') *(/3(.*(/(. & 66 ,691. 7 1*.6+ '3 (7. .++'-(/* + 7. 7/) ,.-+'-1.) (7. 1/-07.* '+ /3 6.5/3).-' '- /' /.*/-. & 66 '-).-' /' *6/;. ('' -.0. ;. (7-..793)-.) 6/*7.* +'-' 2-3: 3: 7 1 7 * 7'(&/(.-6/(. 7.*. 1.3 &7'' 7/;. 3'(/' ,/-(06. '+ -.6 : '9* 2.6 .+ /-. (7. *6/;.* '+ /3 6. *9,.-*(('3 7.4 & 66 3'(2/(7. '- 2-./8+/*(' '- *(/-(' '3 /' %'9-3.4 (66 (7.4 7/;. 0'3*96(.) (7. 0/6.3)/-' (' + 3) (7. ,'* ('3 '+ /' ,6/3.(7. ;96:/- 0-'&) '+ (7.)/4* '+ /-0.66 39* * (7. */1. 3 07/-/0(.- (7/((7/) 2..3 +'-' +'9- 793)-.) 4./-* 4-,

, ' ', = -'0 ,' , ' '. . ' E9(' (' &/*'$;.3' 1'-.' ,/1,.-.)' 3'(7.'-.:3' '+' '3'-9*' (7/3' 3'(7.'(1.'' +' B9;.3/6' 7.' .1,.-'-*' '+' (7.' (7-)' 0.3(9-4' 7/)' /)).)' & 3.'' 6'/3)',-8' ('(7.')'6.'' +' 0'-3$' ' 7.-.' 0/3' 2.' 6((6.')'92(' (7/(' (7*' 1/**' '+').*.-(.-*' +-'1' (7.'-/38*' '+' 7'3.*(' 3)9*(-4' 1/3(/3.)' 3')6.3.**' 24' (7.' (/(.'&/*' /' 7'(2.)' '+'; 0.'/3)' 0'--9,('3' 66' (7.'*'0/6'*.&.-*')-/3.)' 3('' (*')., (7*' /:3+0.3(' 2/(7*'.-.0(.)' 24' *900.**;.' .1,.-'-*'M +-'1' .-*' ('' 'O6.(/3''++.-.)' (7.-'*,/0'9*' 6959-4'/(' /66' 7'9-*' '+' (7.')/4' ('' (7.'1'3:-.6' 0-.&'&7''2-.)' /3)' +.*(.-.)' 3' (7.'*691*' '+' (7.':-./(' 0/, (/6' '+' (7.'S4'-M6)' 7.' 7'9-*' (7/(' &.-.' 3'('*,.3(' 3' (/;.-3*' /3)' 6'&' 7/93(*' '+').2/907.-4' &.-.' :;.3' (''')6.' :'** ,' /2'9(' (7.' +/;'9-(.*' 3' (7.' :/1.*' /3)' -/0.*N' 7.' .3.-:4' '+' (7.''30.*';.-. :3',.',6.'.5,6')' 3'+.-0.'&-/3:6 3:' /*' (''' (7.' 07/30.*' '+' -;/6' 07/-'(..-*' '3' &7'*.'*900.**' (7.'+/(.''+' (7.'0'1 1'3&./6(7'*..1.)' ('')..,.3)' -'2/264' (7.' 1'2'&.-.' 3.;.-'*''' 33'0.3(64'.50(.)' /*' &7.3' (7.4' &.-.' 2/08 3:' & (7' 7'/-*.' 0-.*' (7.-' +/;'9-(.*' 3' (7.' -/0.' 7.' '2*0.3(.*' '+' ,/3('1 1.' 3' &7 07' (/6.*' '+' /23'-1/6').,-/;(4' &.-.'-.,-')90.)' (''' (7.'6+.$' (7.'*6/9:7(.-' /3)' *9++.-3:*' '+' (7.' :6/)/('-/6' 0'12/(*':-/(+.)' +' (7.4' 0'96)' 7/-)64' 3(.3*+4' (7.' 3*(30(*' '+' /,.' /3)' (:.-' 3' /' ,',96/0.' &7 07' +'-' 0.3(9-.*' 7/)' 2..3'*4*(.1/(0/664' 0'3 9,(.)' 24' (7.' (/(.

7.', 0(9-.'' '+' (7.' '1/3' /-*('0-/(' :;.3' 24' 1 1 /39*' /-0. 39*' *'0.-(/ 364' 3'(''/',6./*/3('3.' .(' (' *'3'('*'')/-8 /*' (7.', 0(9-.*' '+' 9,,.-' O6/**' 6+.' 3' (7.')/4*' '+' 909669*''-' 3' (7.')/4*' '+' .-'' /4' 3' 1/34' '+' (*'+./(9-.*' (' *'7/-)64' &'-*.' (7/3' 1 :7('2.')-/&3' '+' 3:6*7'*'0.(4' 3' (7.-.:3*' '+' =.'-:.' '/3)' =.'-:.' %-,0' 0 ' ' '/,1-,' , , - ' 7.' +/96(*' '-'; 0.*' &7 07' .50(.)' (7.') *:9*(' '+' (7.'7/-)4';.(.-/3' /-.' (7'*.' '+' /3' '6)' *'0.(4'-.3).-.)' ;/3' /3)' .++.1 3/(.' 24' &./6(7'*.-;.)' 24' /3' /-14' '+' *6/;.*' /' *'0.(4' &7 07' &/*' 3'(' *'2.-.)' 24' /34') *0,63.' '+' 6/2'9-' 3'-' .6.;/(.)' 24' ,926 0' 3(.-.*(*' .' 1/4' /6*'' *9*,.0('(7/('(7.').*0-,('3' *'('*'1.

' O)' '#' AW' 3)NO E' =' %,: 51-'* , - J
'!' AB' ?O' - ' H' TN' $,NN' 1)L'U ' B' AB' U ' AI WA
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G_'' ?' 1) RQ) E' ! ' ',, ! # 5 QED@' 5 ' U' AAG' E?@'
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.5(.3(0'6'9-.) 24 (7. (.1,.-/1.3(/3) 7/2 (* '+ (7. '6) *'6) .- &7'*.'6+.7/)2..3,/**.) 3+-'3(.-0/1,* 3 3) /3 ;.(.-/3 &7''/((7.,-.*.3( )/4 *7'96) *.((6. 3 '3)'3 /+(.- (7 -(4 4./-*< 7/-) *.-;0. 1 :7(3'(2. 1'-. 3)96:.3(('' '9- '&3 6959- '9* O6/**.* 3) 7 1 /39* 1/4 7/;. 2..3 &'93).) 24 (7. 7/9:7(4 3) ++.-.30. '+ '3. '+ (7. 1'*(.5069* ;. 0/*(.* (7/((7. &'-6) 7/* .;.-* ..3 '-6)64 *'0 .(4 * /(3'' (1. ;.-4 /,,-.0/(;. '+ 93'*(.3(/('9* 1.-('- *.-;0. 3) 11 /39* ,-'2/264 83.& (7. :-./(&'-6) 07 .+64 24 (7. ;96:/-(4 /3) +-;'6(4 '+ (* 6./*(.*(> 1/26. 1.12.-* /) 7. 2..3 /)1((.) (' (7.0 -06. '+ (7. 411/07 /3) 62 3 7. &'96) 7/-)64 7/;. /009*.) /' O6/** &7 07 -.:/-).)).;'('3 (' 6.((.-* /* (7. 7:7.*( ) *(30('3 '+ (7. - '-).-' '+ 3.;.- .3(.-3: (7. -'6 2-/-.* ')/-8.- + 3'((-9.-, 0(9-.' '+ (7/(*'0.(4 3 (7. 4./-* &7.3 11 /39* &/* 0'1,'* 3:7 * 7 *('-4 *: ;.3 24 B.-'1.

B.-'1.'9(;.) 11 /39* /-0.66 39* ,-'2/264 (&.3(4 4./-*F 29((7.4 19*(7/;. 2..3 /('1. /2'9((7. */1. (1.G 3 (7. 1))6. '+ (7. -.:3 '+ 7.')'* 9* 7.*/3(-.0.;.) 7 * .)90/('3 93).- '3/(9* ,-'2/264 3 (7. -.:3 '+ B96 /3F /3) /+(.-; * (3: =/96 /3) (7.).*.-(* '+ 4-/ 7. -.(9-3.)('' (7.0/,(/6 /((7.(1. &7.3 (7. 79-07 &/* '3 (7. .;. '+ (* +3/6 ;0('-4 . &/* (7. *.0-.(/-4 /3) 3(1/(.+-.3) '+ ',. /1/*9*$ /3) +'-/ (1. &/* '3. '+ (7. 1'*(3+69.3(/6 .006.* /*(0* '+ '1. .* /&(7. 33.- 6+.' '+ (7. 7:7.-06.-:4 /3) '+ (7'*.:-./(/-*('0-/(0 7'9*.* '3 &7 07 * 30.'(7.; * ('+ (7/3/* 9* (7. /*0.(0).//6 '+ (7. 7-*(/3 6+. 7/) 0/*((* *,.66 $ B.-'1. 2.0/1. (7.) -.0('- 3 *(9)4 /3)).;'('3 '+ /-.1/-8/26. :-'9, '+ &'1.3 G /96/ ./ *.66/ /-0.66/ /3) 1/34 '(7.-* &7'' &.-. '+ (7.;.-4 0-./1 '+ (7. '1/3 3'2 6 (4 29(&7'').6 2.-/(.64 09((7$.1*.6;.* '++ +-'1 &'-6)64 *'0 .(4 /3) 3 /61'*(0'3;.3(9/6 *.069* '3).;'(.) (7.1*.6;.* (', -/4.- /3) (7. *(9)4 '+ (7. 0- ,(9-.* N '1.'+ (7.1 &.-. /00'1,6 *7.) =-.8 /3) .2-.&*07'6/-* $ /3) 3 (7. - 1 39(./3) 0/-.+96 *(9)4 '+ (7. */0-.) 2''8* (7.4 '+(.3 (/5.) (7. .-9) ('3 '+ (7. :-./(*07'6/-' (' -.,64 (' (7. -09- '9* C9.*('3* N .7./-

) 5 GAW e G[? ?FF?NKD C O 2 L , QP (0 3 B O WA[& D ?) 5 GA_ e _ ?) 5 A \ & D ?@) 5 GA_ e < ? MD 1 G[H ee AB AH @FQD@LD ? , FU)@)C QC C 8 3 03 1 W[W

"A +966 ' + /669-.1.3(* (7. +6.*7 * ' & ./8 /3) *.3*9/6 (7.).; 6 * ' 0933 3 3 6/4 3 *3/-.* +'-(7. *'96 (7/((7. '364 07/30. ' + .*0/,. 6 .* 3 /2*'69(. -.3930 /('3 7. =-..8).//6 ' + 1'-/6 ,.-+.0('3 /* / 1))6. *(/(. 2.(&..3 .50.** /3)).+.0(' + ,/** '3 *..1* (' (7. /*0.(0 1 ,-/0(0/26. '-93&'-(74 ;/-0./0/3 '364 2. 0'3C9.-.) 24 *.66 3 :/66 '3.<* ,'**.** '3* /3) : ; 3 :(' (7.,''-$ 959-4 3)-.** /3) +'') 19*(2. -.,6/0.) 24 */0806'(7 /3) 7.-2* /3) /3 /;')/30. ' + (7. 2/(7 N 7.,6./*9-.* ' + 6';. &7 07 /-.-(-./(.) /* 1.-.64 *.3*9/6 19*(2. 9((.-64 -.%.0(.) /*).2/* 3 :(' (7. .6.0(*'96 '3'9-/26. 1/--/:. -/38* 2.6'&(7. ,9-(4 ' + 3(/0(; -> : 3 (4 /3) (7. -.0';.-.) 07/*((4 ' + &)'&7'') N '(7 3 :0/3 .50..) (7. .5(-/;/:/30. & (7 &7 07 B.-'1. &7' &/* /3 .5,.- .30.) 1/3 ' + (7. &'-6) 0.6.2-/(.* (7. *.6+).;'('3 ' + .1.(- /* (' (7.; -: 3 *(/(. .-+/1 64 6 8. * ' 1/34 '(7.-* ' + (7. :-./(' 1/3 7'9*.* 7/) 2..3 -9 3.) 24 (7. 3;/* '3 ' + 6/-0$ '1. 7/) 2..3 : ;.3 9,(' + -. /3) *&'-) 7. +/-.*(,-'; 30.* &.-. /6-./)4 ';.--93 24 (7. 9.;.* /3) = '(7* 7. +/1. ' + /'&'-6) &). .1, -. /3) 0;6 */('3 (7. *,6.3)) (-/) ('3* /3) (7. 7',.* ' + *.3/('-/6 7'9*.* ' + 1> 1.1'-/6 /3(C9 (4 &.-.;/3 *7 3 :/1) /3 /:'34 ' + -.:-.(/ (7. 1'-. ,/(7.(0 2.0/9*.7/-)64 /;' 0.+-'1 (0'1.*)'&3 (' '9- ./-* .((7.).;'('3 ' + .1.(- /* (' (7. ; -: 3 *(/(. /00'-) 3 :(' 7.- .96': *(.5/6(* 7.- +/1 64 (' / 7 :7.- , 33/06.(7/3 (* 6'3 :6 3. ' + 0'3*96* /3) ,-.+.0(* 7/;. .;.- -./07.) F (* /'0'3*'6/('3 +'-/' 1. 3 /*7.*F (/64 ,9(* ' ++ (* 1'9-3 3 :/(7. 3.&*F (7.; 66/:.* 3 (7. +/-(7.*(,-'; 30.* /-. 2.*). (7.1*.6;.* & (7 %'4 '1. ' + (7 * * 3 ')'92(1.-. -7.('-0 29((* (7. -7.('-0 ' + / 1/3 &7'*. '&3 ,/** '3* 7/) 2..3 0'3C9.-.) ' 364 24 +6 :7(('(7. 4-/3).*.-(24 30.**/3(; :6* 24 +/*(3 : /3) ,-/4.- N 3) (7. &7'6. 6.((.- (' 9*('07 91 3 &7 07 (7/(& .66 83'&3 ,/**/:. '009-** 9:.*(* '(7.-0'3*).-/('3* &7 07 *7'96) 2. 8.,(3 ; .& 3 -./) 3 : (7. 0-(0*1* ' + /30.3(1'-/6*(* '3 (7.- '&3 (1.* -'2/264 .;.-4 1').-3 -./).- ' + (7/(6.((.- *

G)5 G[H e GI W 1 G[_ ee I G[UU e A ' GW[ee W < &D) MD C DF U N? D CQ) RQ @?@ E O) @ L?N D@ DN ' NN?' DF L ? @Q ' ' ' @?K F) DN @C P@ ? DN DEE E F)D OD O? Q) L)C) D ? ' AA' e GI %MD

KDC O)CC)PD C GAW e GG CQ JL K RQ?E O NQN OD E E C P@) C P)EQN D Y D D QN D@ C)E CDLQ@EQN E DC OD ? L QN L?@YQP)FD)E EQ) C LQQ @D)N %MD FD D'#)C # D@ L L' G ( )5 AA' e _

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% 9) : 1 . 3 (' ' + ' (1 . * ' & 7 0 7 ' 7 / ; . ' 1 /) . ' / ' * . 6 + ' 5 ' - . ; . 6 / (' 3 ' ' + '
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- / . (. 5 (/ (9 * ' (7 . ' ; ' (/ - 4 ' ' + ' * * ' / 3) ' (7 - / ' (' ' 9 (. - ') / - 8 3 . ** $ '
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G) 3 ' A A ' D C O ' e e ' _ ' G W

$ _ B ' A W ' H ' F F D ' R Q D @ ') @ D ' O) Q L ? C ' E D C ' E F P @) Q @ ' ? N @ Q N ' L Q F N @) ' O) D L D E D K) @ ' ') E ' L Q Y Q C ' @ D Q N ' Q K C ' Q @ D C D ' L ? N N ?) ' D C ' @ Q @ L ' E D C ? ' F) Q C ' D ' @ Q E Q C ' @ ? @ ' @ ' F) L D ? ' L) D F ' O) F) ? ' Q ' Q U ? ' N D @ Q ' @ D F U ' C D E ' @ ' C ? E D @ K Q C ' D @ D F C ' ? ? @ @ D Q ' L ' . ' 0 , ' 0 0 ' H ' N C D) K F) ' 5) D D U) Q C ' ' ' ' M ? N ? ' C) ? F D P Q C

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(7. .3(79* /*(0 07/1, '3 '+ (7. '6) :')* 3 (7. '(7.- 7/3) (7. ,'3(++ 62 39* /* *(/9307 (7'9:7 ('6.-/3(,/:/3 *(-./(.) 24 B.-'1. & (7 1/-8.) -.*,.0($ *932.6 .+ * .;.3 1/). (7. *92%.0(' '+ :.3(6. -/ 66.-4 * & +. &/* / 7-*(/3 *) /9:7(.- /.(/ &7''7/) *900..).) 3 0'3> ;.-(3: 7.- 4'93: 79*2/3) '5'(9* &/* /).;'(.. /+(.- B.-'1.<* 7./-(' B.-'1.*,./8*' '+ 62 39* /*Q /0/3)) /(. +'- (7. +/ (7R /3) &'96) 7/;. 7',.* (7/(' 7 * 6((6. :-/3)>)/9:7(.-<* 7413* (' 7-*(' /* *7.* (* '3 (7. '6) 1/3<* 83..* 1:7(' & 3 7 1 +-'1 7 * .--'-* 3'(7.- :-./(' 1/:3/(. .-./6 *$ / 1/3 '+ (7. &'-6) '+ :-./(' '++ 0 /6) *(30('3 & *7.) (' 1/--4 '3. '+ B.-'1.<* /*0.(0 +- .3)* '(7 3: * */) '+(7.-.6 : '9* ; .&* '+ .-./6 * 29(' (7. ;.-4 * 6.30. '3 (7. *92%.0(' ,-'2/264 *7'&* (7/(' (7.4 &.- 3'(' ;.-4).0).) .(' B.-'1.).*0-2.* 7 1 /* / 1/3 '+ *,'(6.** 07/-/0(.- 642-9* /3'(7.- 1.12.- '+ (7. 3'26. 06/** &/* ,-'2/264 / 7-*(/3 29(6 8. 7 * +/(7.- -'29* (7. :-./(' ,-.> +.0(' &/* ,-'2/264 3'(' / ;.-4 /-).3(' '3. 6'3: & (7 7 * 2-'(7.- -'2 39* 7. &/* 0.6.2-/(.) & (7 /66 (7. ,'1, '+ ,/:/3 14(7'6':4 24 (7. ,'.(' 6/9) /3 * ; -(9.* /* / *'3 / 79*2/3) /3) / 0 (0.3 /-. 3'(' 6.** .1,7/(0/664 .5> ('66.) 3 /'6.((.- '+ B.-'1.N 7.*/ 3(' ,-'+.**.) ('-.:/-) '1. /* (7. 14*(0 E/246'3 '+ (7. ,'0/64,*.M +-'1 &7 07 (7. (-9. +'66'&.-* '+ 7-*(' *7'96) +6..' ('(7.) .*.-('Q 26'** 1> 3:& (7 (7. +6'&.-* '+ 7-*(R .(' &7.3 &.'6''8 +'-) ./(/ 6* &. +3) 6((6. 3 B.-'1. ('6./) 9* ('2.6 .;. (7/(' (7. 1.3 '+(7. :-./(' +/1 6 .* & (7 &7'1 /96/ /-0.66/ /3) .6/3 / /**'0 /(.) +.66 2.6'&(7. 1'-/6 *(/3)/-) '+ (7.- /30.*('-* '- .;.3 2.6'&(7. 6.;.6 '+ &'-6)64 -.*,.0(/2 6(4 3 '9-'&3(1. 7-*(/3 /*0.(0 *1 7'&.;.- 8. .;.-4 '(7.- :-./(' 1';.> 1.3(' &7 07 7/*) *(9-2.) (7. -'9(3. '+ 6 +. 7/) (* , 0 7.-. &.-.*.-'9* ,.- 6* (' ; -(9. 3 (7. 7'9*.7'6) 6 +. '+ (7. +'9-(7 /3) + +(7 0.3(9-4 &7 07 B.-'1. 7/* 6/)2/-. & (7 /3 93*,/- 3: +-/383.** (7'9:7 ,-'2/264 /6* & (7 *'1. .5/:.-/('3 1'3: (7.*. (7. *4*(.1 '+)'1.*(0 *6/;.-4 &/* (7.1 '*(+-9 (+96 '+ 0'--9,('3N 3(7.)/4* '+ /6; /39* /* 3 (7.)/4* '+ '-/0. (7. /((-/0(;.*6/;. : -6 (' ' '+(.3 &/*

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(7. ./*4 ,-.4 '+ 7.- 1/*(.-<* 69*(* /3) /1'9-* '+ (7 * 8 3) &.-. -.:/-).) .;.3 3 7-*(/3 +/1 6 .* & (7 /('6.-/30. &7 07 /*('3 *7.* 1').-3 *.3(1.3($.-7/,* .;.3 1'-. 3*) '9* &/* (7. 3+69.30. '+ +.1/6. *6/;.* '3 (7. -4'93: 1 *(-.**.* 7. /((.3)/3(* &7'* *9--'93).) (7. '1/3 6/)4 /(7.- .6/2'-/(.(' 6.(/3)).08.) 7.-'9(3 7.- *68* /3) %.&.6* &.-.'+(.3 3'((7. */+.*(0'1,/3 '3* +'- 3.5,.-.30.) 33'0.30. 7.- O6/** 7/) '+(.3 / 2((.- 7/(-.) '+ (7. 7-*(/3 +/ (7 M /3) *,-./) (7. 1'*(1/6:3/3(-91'9-* /2'9((* ,-'+.**'-* 7.4 +6/((.-.) & (7 (7. ./*. /3) +/1 6 /-(4 '+ ,-;6.:.) +/;'9-(.* 7., 0(9-. '+ (7. :-..) 692-0(4 /3) *, (.+963.** '+ (7 * 07/((.-3: 0-'&) N & 7'* *9--'93).) (7. 6/)4 '+ 3'26. -/38 &/* ,-'2/264 / 1907 3..).) -.;.6/('3 '+ '3. '+ (7. &'-*(0/38.-* /((7. -''('+ '1/3 *'0.(4

B.-'1.'6 8. 1 1 /39* /-0.66 39* &/*) *:9*(.) & (7 (7.) *,6/4 '+ &./6(7 &7 07 *..1* (' 7/;. 2.0'1. 1'-. '*(.3> (/('9* /3) ;96:/- /* /-(*(0 *8 66 /3) +..6 3:).0/4.) E9(3 B.-'1.<* ,/:.* &'1.3 /-. (7. :-./(' ++.3).-* 7.- :/9)4 (9-2/3* /3) .6/2'-/(. 0' ++9-.* (7.- 0'*(64 * 68* /3) 62.-/ 4 /,,6.) 0'*1.(0* /3) 26/O 3: &./6(7 '+ %.&.6* /-.).*0-2.) & (7 /*0'-3 &7 07 1/8.* (7. 1 39(. '2*.-;/('3 '+).(/ 6 *'1.&7/(*9-,-* 3: $ 7. */ 3(' +(.3 &/-3* 7 * +.1/6.) *0,6.* /:/ 3*((7.)/3:.- '+ /,,./-3: /1'3: (7. +/*7 '3> /26. /3) *7'&4 0-'&) N 7.)/3:.- (, +.1/6. 33'0.30. *..1.) (' 7 1 * ' :-./((7/((7. '364 */+.(4 +'- /' &'1/3 6/4 3 09((3: 7.-*.6+ '++ /2* '69(.64 +-'1 (7. &'-6) (* 7/-) (' 2.6.;. (7/((7. -.*.-;. /3)).6 0/04 '+ * ' 1/34 :.3.-/('3* '+ * '0 /6 096(9-. *7'96) 7/;. :-'&3 * ' 7.6,6.** 3 (7. +/0. '+ .; 6 3) (7. &/-1 1/: 3/('3 '+ 'B.-'1. 7/* ,-'2/264 .5/::.-/(.) (7. , .-6 +'&. 1/4 2.6.;. 7 1 (7. 09-6.) /3) .**.30.) +', '&/* /61'*(--.* *(26. 3 (7'*.) /4* N ('907 '+ 7 * 7/3) /3) /:/30. +-'1 7 * .4. *..1 (' 7/;. ,6/0.) 4'93:'&'1.3 '+ -/38 /3) 2-..) 3: /(7 * 1.-04 7.-. * ,-'2/264 2.((.-: -'93) +'-(7.) *:9*(& (7 &7 07 (7. /,,./-> /30. '+ (7. +/*7 '3/26. 1/(-'3 3 (7. *(-..(* *).*0-2.)

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7.'(/8.*' 7.-' / - 3:' 3' /' 6 ((.-' *9--'93).)' 24' /' :-./(' (-'',' '+' *6/;.*' /3)' .93907*' /3)' O6'*.64' /((.3).)' 24' *'1.' +',,*7' 1/%'-)'1'' '-' +/;'9-(.')'1.*(0' &7'*.' ,/1,.-.)' /-' /3)' ./*4' +/1 6 /-(4' *'1.(1.*' 0/*(' /' *7/).' '+' *9*,0'3' '3' 7 *' 1 *(-.**<*' +/ -' +/1.' E9(' (7.' :-./(')/3:.-' &/*' (7.' 2/3C9.(' 4 33. ' ' 5-,' -' 5- . ,R' (' *' 7/-)' +'-' 9*' 3'&' ('' -./6*.' (7/(' (7 *' *7'96)' 2.' (-9.' '+' /' ,'6*7.)' *'0.(4' & (7' /3' /30.3(' (-/)('3' '+'):3(4' .(' 'B.-'1.' 3' 7 *' /-)'9-' +'-' (7.' /*0.(0' 6+.' /*' (7.' '364' ,/(7' '+' */6;/('3' +'-' +-/' 791/3(4',6/0.*' 7 *' 2/3' '3' &7/(' &.' *7'96)' -.:/-)' /*' 33'0.3(' .3%'41.3(' '+' /' 7'*,(/26.'(/26.' 7.').*0-,('3' '+' (7.' .++.0(*' '3' (7.' 7'(' 26'')' '+' (7.' *'9(7' '+' -07' & 3.*' /3)').60/(.' 1./(*' 3' 1/34' 0'9-*.*' & (7' (7.' /00'1,/3 1.3(*' '+' ;'69,(9'9*' 19*0' /3)' *9::.*(;.')/30 3:' 1/4' -.,-.*.3(' (7.' ('3.' '+' 0.-(/ 3' 0 -06.*' '+' 7 *' /:.' (' & '96)' 2.' 0.-(/ 364' (-9.' '+' 1/34' 3' (7.' (1.' '+' 0.-' ' E9(' (' *') ++ 096(' (' ' 2.6.;.' (7/(' (7.' 7:7 1 3).)' *(/(.64' /3)' 096(;/(.)' 6/).*' *'' 1/34' '+' & 7' 1' /-.' 83' & 3' (' 9*N 7/)' 2..3'.5,'*.)' (' ' (7.' 0'3(/1 3/> ('3' '+' *907' :-'**3.**' 3' (7.-' 4'9(7' '-' (7/(' (7.4' 0'96)' 3'(' '2*.-;.'(7.'6 1 ('2.(&..3'7/-16.*'3/(9-/6'.3%'41.3(' /3)'*.3*9/6' 3)96:.30.' 7.'(-9(7' *'(7/(' 'B.-'1.' *' 3'(' '364' /' 1'38' 29(' /3' /-(*(' 3' & '-)*F' /3)'7 *' 7'--'-' '+'.;6'7 *';;)' 1/:3/('3' /3)'7 *',/** '3' +'-' 6(.-/-4'.++.0(' '00/*'3/664' 0/--4' 7 1' 2.4'3)' (7.'-.:'3' '+'*'2.-' +/0(' 7.-.' & /*' 1907' (' / 1.3)' 3' (7.' 1'-/6*' '+' (7.' '1/3' & '-6)' E9(' & .' 19*(' 3'(' (/8.' (7.' 6./).-' '+' /' :-./(' 1'-/6' -.+'-1/('3' /*' /' 0''6' /3)') *,/** '3/(.' '2*.-;.-

2'9(' (7.'(1.' & 7.3' (7 *' 6.((.-' '+' B.-'1.' & /*',.33.)' /0-'2 9*' -.,-.*.3(*' (7.'6./) 3:' 1.12.-*' '+' (7.',/:/3' /-*('> 0-/04' 41 1/079*' 6291*' 6/;/39*' -/.(.5(/(9*' /*' *,.3)> 3:'(7.')/4*' '+'(7.' /(9-3/6 /'(':.(7.-' 7.'1'-3 3:*' & .-.':;.3' 9,'('' 6./-3.)') *09** '3*' '3' /3(C9/-/3' /3)' 6(.-/-4'*92%.0(*' 3' (7.'.;.3 3:'(7.4' 1.(' +'-' 6:7(.-' /3)' :/4.-' 0'3;.-*/('3' /(') 33.-F' /3)' '9-' /((.3('3' *' .5,-.**64')-/&3' ('' (7.' .6.:/3(' 1').-/('3' '+' (7/(')/4' 3' +'')' /3)')-38' /3)' '' (7.' 2/3 *7> 1.3(' '+' (7.')/30 3:' : -6' /3)' (7.' 29++'' 3' +-' 1' (7.' 2/3C9.(N

G & D ?@')5' GG_' e' B' G[_' e' H ' 5)QF)' & D ?@')5' G[H' D D@)' F)QE)@' 8,-'' . ,'' 9)K)',L?)' 5)QF@)' (8' ' G__I' 7F)D) FF)' & D ?@')5' WI' 3)D)' f?)' 'HI $ 1)L ?K' ', ' ' G' e' ' ' GW

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7.' .;).30.''+' /0-'29*'&7'' *'&-(3:'&(7'9(' /34'5, '
5 ' *'&'-(7'/(6./*(' /*'1907'/*'(7/('+' 'B.-'1.''3'*907'/'
,'3(' 3)' +'*907'&/*'(7.'('3.''+'(7.',/:/3'/-*('0-/04'0/3'
&.'2.6.;.'(7/(7.':-./(' 7-*(/3'7'9*.*'(;'96)'2.'1'-.'6/5'H
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06/**.*'7.'*',.-7/,*.;.3'1'-.'1.-06.**'('(7'*.''+'(7.',-'>
+.**.)64'*(-0(' /3)'-.6:'9*F' /3)'(' *'('(7.'0-.)('+'7*'
0/3)'9-'/3)'*30.-(4'(7/('7.'6/4*'2/-.'&(7'*907'/3'93*,/-3:'
7/3)'(7.'0'--9,('3' 3' 7-*(/3'*'0.(4'.;.3' 3'(7.'33.-'
0-06.*''+'/*0.(0*1' 3'*'1.''+'7*').*0-,('3*'+'.006.*/*>
(0/6'&'-6)63.**' /3)'0'--9,('3'(7.';.-4'*,-('+'B9;.3/6' *'
9,'3'71$' 3)'7*'0'3*91 3:'0./6'+'-'/':-./('0/9*.',-'2/264'
1/).'7 1'6.**'1.-0+96'('(7.'+/6 3:*''+'7*''&3'06/**'(7/3'/'
1/3''+'(7.'&'-6)'&'96)'7/;.'2..3' .('/+(.-'/66'/66'&/30.*'
(7.',0(9-.'*'3'(''/',6./*/3('3.' .'+..6'(7/('&.'/-.'+/-'
/&/4'+-'1'(7.'*1,6.'93&'-6)64').;'('3''+'(7.'+-..)1.3'/3)'
'2*09-.'('6.-*'&7'*.'.5*(.30.'&/*'7/-)64'83'&3'('(7.':-./('
&'-6)'2.+'-.'(7./:.''+'(7.'3('3 3.*$'/3)'&7''6;.)'3'(7.'
,-('+'(7.'.-1'3''3'(7.''93('/3)'3'0'3(/3('.5,.0(/('3'
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3'(7.'-.:3''+'/6.3(3/3'?'@ T'(7.'-;/6'+/0('3*''+' /1/*9*'
/3)' -*39*'7/)'0'3;96*.)'(7.'0(4'3'(7.-'*(-9::6.*''+'-'(7*'
,6.3))',-O.'/3)'3''3.')/4''3.'793)-.)'/3)'(7-(4.;.3'
0'-,*.*'&.-.'6.+('3'(7.',/;.1.3('+'3.''+'(7.'079-07.*M'
11/39*' /-0.66 39*'&7'').*0-2.*'(7.'0'3+60('(7 38*'('
3/(9-/6'(7/('1.3'a7'96)'*''0'3(.3)'+'-'(7.'07/30.''+'2.3:'
.3-07.)'24'(7.''++.-3:*''+' '1/3'1/(-'3*''+'-)3:'3'.6.:/3('
/,,/-.6'(7-'9:7'(7.'*(-..(*'/3)':;3:'2/3C9.(*''+'1'-.'(7/3'
-.:/6'*,6.3)'9-' 7.',/:/3' -/.(.5(/(9*'9*.)('*/4%.*(3:64'
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'9?'MD')?'D@'@' 'VD?ND'
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1 ' 3 : / 66 - / 38 * ' + (7 . +06 . - : 4 0 ' - - 9 , (' 3 , - . ; / 6 .) 7 . . ; 6 * ' + * .) 90 (' 3 / 3) 0 / , (/ (' 3 2 . 0 / 1 . * ' : - / ; . (7 / (3 / 3 .) 0 (/)) - . ** .) (' ' , . / 1 / * 9 * $ (7 . 1 , . - ' - / 6 . 3 (3 / 3 * (. - 364 , - ' 7 2 (.) 1 ' 38 * / 3) . 006 . * / * (0 * + - ' 1 . 3 (. - 3 : (7 . 7 ' 9 * . * ' + &) ' & * ' - ' ' - , 7 / 3 & / -) * / 3) 1 /) . 66 . : / 6 2 ' (7 0 , 0 ! !0 / 3) (. * (/ 1 . 3 (/ - 4 2 . C 9 . * (* 3 + / ; ' 9 - ' + (7 . 79 - 07 (1 / 4 2 .) ' 92 (.) & 7 . (7 . - (7 . 6 / & & / * * (- 0 (64 ' 2 . 4 .) 7 . 7 : 7 . - 06 . - : 4 : . 3 . - / 664 * . . 1 (' 7 / ; . 6 ; .) 3 ; . - 4 93 . ; / 3 : . 6 0 / 6 & ' - 6) 64 * (/ (. / 3) 6959 - 4 $ 7 . 4 ' + (. 3 . 3 (. - (/ 3 .) / (* 9 1 , (9 ' 9 * + . / * (* : - . / (1 / : * (- / (. * / 3) , - . + . 0 (* 7 . 06 . - 0 / 6 . , 09 - . 2 - ' 9 : 7 (9 , 3 / 7 ' ; . 6 / 3) + .) ' 3 1 68 / 3) 26 / 08 2 - . /) 3 7 * 2 ' 47 ' ') N) . ; . 6 ' , * / 3 . 5 (- / ' -) 3 / - 4) . 6 0 / 04 ' + (/ * (. 3 7 * 6 / (. - 4 . / - * . 7 / * (7 . 3 0 . * (%9) : 1 . 3 (3 + * 7 / 3) : / 1 . / 3) (7 . , - ' ; 30 . * / - .) * (3 : 9 * 7 .) 24 (7 . - / 2 6 (4 (' * / (* + 4 7 * , / 6 / (. ' 64 -) . - * 2 . 0 ' 1 . (7 . , / ** , ' - ((' * ' 0 / 6) * (30 (' 3 / 3) ') / 3 : . - ' 9 * 3 + 69 . 30 . 7 .) ' ' - * ' + : - . / (7 ' 9 * . * ' , . 3 .) - . /) 64 (' ' (7 . . 6 . : / 3 (, - . * (& 7 ' * . (' 6 . (& / * 1 / 3 / : .) 24 / * 8 6 + 96 ; / 6 . (7 . 06 . - 0 / 6 , - ' + . ** ' 3 * ' ' + / - + - ' 1 1 , ' * 3 : - . * (- / 3 (+ 9 - 3 * 7 .) + / 0 6 (. * ' - ' 3 (- : 9 . 7 . , - . * (& / * /) 1 ((.) (' ' (7 . 3 (1 / 04 ' + * 9 , . - * ((' 9 * & ' 1 . 3 ' + (7 . & ' - 6) & 7 07 & / * , 6 . / * / 3 (/ 3) 690 - / (; . 29 (, . - 6 ' 9 * (' ; - (9 . M 7 . * 9 , , 6 . / 3) / 00 ' 1 , 6 * 7 .) . 006 . * / * (0 7 / * / : - . / (/) ; / 3 (/ : . / 1 ' 3 : (7 . 0 - ' &) ' + 1 ' - 3 3 : 0 / 66 . - * ' 3 * (7 . - 07 4 ' 93 : 1 / (- ' 3 * & 7 ' ' - . , / 4 * 7 * +6 / ((. - 3 : / ((. 3 (' 3 * & (7 / , - . * . 3 (' + & 7 / (. ; . - 7 * 0 ' ; . (' 9 * . 4 . * 7 / ; . 6 : 7 (.) ' 3 N 7 . , / ** ' 3 + ' - & . / 6 (7 3 ; /) .) / 66 - / 38 * ' + (7 . 06 . - : 4 / 34 & . - . . 3 : / : .) 3 / 1 / ** 3 : + ' - (93 . * 3 (- /) . N 7 . 4 & 66 , . - + ' - 1 (7 . 1 ' * ( ) * : 9 * (3 : / 3) 1 . 3 / 6 ' ++ 0 . * + ' - * ' 1 . 7 . - 6 . ** 6 /) 4 ' 3 7 . -) . / (72 .) $; . 3 (7 . 1 ' 38 3 (7 . (- / 3) . * . - (* 3 + . 0 (.) & (7 (7 . 93 ; . - * / 6 0 ' 3 (/ : ' 3 N / 3) , 6 . * 9 , / ' * . 0 - . (7 ' / -) & 7 07 7 * 2 - . (7 - . 3 / - . * ' - . %4 (- ' 926 .) (') * , ' * . ' + / (7 *) . / (7 + & . ' 2 . 6 . ; . ' B . - ' 1 . ' 3912 . - * ' + (7 . * . 06 . - 0 / 6 / 3)

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e AH
(_ <' <A e < GA< e G[@DP?) ? DN LFD LQN D DU @?O E DN DU P@?K F PF? ?CQN RQ) C RQ) @E) N ODC DN QPD
_ <' <A e B OC) OO?@ @ N) QF) Ñ ?KC ED@ FD? QN OQ QFD@) N) ?N) LM ' ' ' N) @Q O ?O) CQ) L O Q@ 5) D@) E @ ? QN NDE L DND@ KQCRQD F) K C) @ L?NN?E @) M) KL) CL CL) @ Q @ C NQF)) R D F) D) ND@C @ @CDDQC))) ? RQD Q
Ñ 1 AA e WW LD@ QN C?F E?C RQ?C F @?' DUD@E?') LRQ C D) ED DF RQ D L

1'38 *7' 1,'*('-*' 2.0/1.' +/-' -07.-' (7/3' (7.4' 0'96)' 7/;.' 2..3' +' (7.4' 7/)' -.1/3.)' 3' (7.' &'-6) $' 7.4' :'' /2'9(' /*8 3:' +'-'/61*' ('' 2.') *(-29(.)' ('' (7.' ,''-' 29(' *.0-.(64' .3-07' (7.1*.6;.*F' 1/8 3:'/' ,/-/).' '+' (7.-'2/-.'+..('26/08' 06'/8*' /3)' 6'3:' 938.1,(' 7/-' (7.4' 0-..,' 3('' 7'9*.*' /3)' Q').0.;.' * 664' &'1.3'6/).3' & (7' * 3*R' -.(.3) 3:'Ñ('' 6;.' 3' (7.':-./(.*(' /9*(.-(4'(7.4'*,.3(' (7.-'3 :7(*' 3'*.0-.('+./*(3:' /3)' *.3*9/6(4

7.' ,0(9-.'&7 07' 'B.-'1.')-/&*' '+'+.1/6.'*'0.(4' *' *'' -.,96* ;.' (7/(' &.' &'96)' :6/)64'2.6.;.' (' (''2.' .5/::.-/(.)' E9(' +' (7.' ,-.*(7'')' & (7' (*' .3'-1'9*' 3+69.30.' &/*' *'' 0'--9,(' (' *' '364'('' ,-'2/26.'(7/(' (').2/*.)'(7.'*.5'&7 07' *' /6&/4*' 1'*(' 93).-'06.-0/6' 3+69.30.' 7/(' 06.-0/6' 0'309> 2 3/:.' 93).-' (7.' ,-.(.30.' '+' (7.' *.;.-.*(' */30((4' &/*' 0'1 1'3' 0/33'(' 2.')'92(.)' 24' /34' '3.' /0C9/ 3(.)' & (7' (7.' &-(.-*' '+' (7.'(1.' 'B.-'1.' *' ,.-+.0(64'.5,6 0 (' '3' (7.' *92%.0(' .3' /3)' &'1.3' ;'&.)'('',.-,.(9/6' 07/*((4'6;.)' 93).-'(7.'*/1.'-''+N'2-/0.3 3:'9(' (7.'1*.-/26.' 1,'*(9-.'+' *9,.-791/3',9-(4'93).-' 1,'** 26.' 0'3) ('3*' 7.-.' *' /' 09-'9*' 6.((.-' '+' 'B.-'1.<*' (''/'4'93:'6/)4' '+' ,'*('3' 3' =/96$' &-((.3' /(' (7.' 3*(/30.' '+' 7.-' 2-'(7.-' &7 07' *' /' * 3:96/-' 669*(-/('3' '+' (7.' 93 '3' '+' *9,.-*(('3' /3)' 6 0.30.' 7.' 1/8.*' /',-'+.** '3' '+' 6./) 3:' /' 7-*(/3' 7+.'4.(' *7.'7/*' *.,/-/(.)' +-'1'7.-' 1'(7.-'/3)' 7/*' 3*(/66.)% /*' 1/*(.-' '+' 7.-' 7'9*.'/' '2-'(7.-'R' &7''*' /,,/-.3(64'/3)' *' -.:/-).)' 24'(7.' 3.:72'9-7'')'/*'.C9/664' 1/*(.-' '+' 7.-' 7'9*.'/3)' '+' 7.-'; -(9.N 3' /'3'(' 1907'7 :7.-'6.;.6'/-.'(7'*.'; -: 3*' '+'(7.' 79-07 N' &7'*.',.096/-')-.**' *' (7.-'364'((6.'('' (7.' 3/1.' &7 07' (7.4') *:-/0.'/3)' &7'' *(-9(' /2'9(' (7.' *(-..(*' 3')) 3:' /3)' 6..-3:' 3' 1/34' *' 0/66.)' 7-*(/3' 0-06.*'(7.':/4'*9 S,6.' Q'; -: 3'R' &7'' &'96)' 6/9:7' /(' %.*(*' '+')'92(+96' +-..)'1'/3)

G & D ?@' GA<'e'GB'@?@' L QN' D' DC QN' RQ?E' ,O?C ?FQC' O)D' L O 'CDE'N)Y?)'RQ)N'C)DL@F'M?N @DC' DN?FQND@)' CDL)@ DC' B['e'GG C@' E ?DC' N?@)LM' RQ)N' QD)@' C)DLQF) DC

' 'AA'e'AH'D'RQ)C'F?@)'YDYQ@)' Q C'@?L QN'LKC'O ?)MQ@

\' 'AA'e'G 'D)EDN'E?N?' Q@?' LQK LQ ?'C)DOD'Q@?' DQD@ Q'FDL QF?'' L' QFO' D '4,' 'H' ' ' I'

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(GG_'e'I

$ 'GG_'e'_'UU 'GW'M)D'CQ@' RQ)D'OD'OQKFLQN'@?)KF D' @LD')Q@ 'D' Q C'?LQF? QN'@Q KQC')E?FDCLD@ QN'P DPDC'O?C'CD')MQ@

' 'AA'e'A''AI' DLLD' c D)@?FF)' M C' E LD@ DC' DDLD' ?)' C NOF L ?C' ;?@' Q' F)' M? E)' OC' @C L)@)' D KFC' D' RQ)D' ED?' ?C)@' N) N@' @?@' M)KQ' RQ)' @ D@ D'@?@'O? Q

& 7 / 7 /) / - . 6 * 7 + ' - * , (. + 96 : ' ** , & / * 1907 1 ' - . , ' , 96 / - (7 / $ (7. ' - ' 9 : 7 73) -9 * (0 R , .-*' 3 7 ' * . -. 6 : ' 3 &/ * M 3 ' (/ +-/9) /34 ' (7. -* 8. (07.) ' + +. 1 /6. 07/-/0(.- 7 /;. M!!@@!! 6. + (9 * 24 +7. , .30 6 'eK B. -' 1. (7. * ' (& 7 ' % ; + * (+ .* 7. - 6 ' ; . ' + & 3. & (7 / , -' + /3. M %. * ($ (7. :-./ (B/) 4 , 9 ++.) 9, 24 (7. 7 ' 3 ' 9 - * M ' + 7. - 7 ' 9 * . /3) *9--' 93).) 24 / 7. -) ' + *40', 7/3 (* (7. :-./ (6/) 4 & 7 ' , /**. * (7-' 9 : 7 .(.-<* /((.3).) 24 / 0-' &) ' + .93907*) ' 6 3 : ' 9 (/61 * & (7 .C9/6 , /-* 1 ' 34 /3) ' *(.3(/(' 3 /3) -., 96* 3 : (7. 1, '-(;1/(. &) ' & & (7 26 ' & * $ 907 *0.3. * /3) 07/-/0(.-* 6 8. (7 ' *. 3 (7. 5(7 /(-. ' + B9;.3/6 ' 3. & ' 96) :6/) 64 2.6 .; . (' 2. 2-66 /3 (/3) 1/: 3/(;. , 0(9-. * ' + /3 .50., MM (' 3/6). : -/) /(' 3 ' + 07/-/0(.- + (7.4 -., -. *.3 (/34(7 3 : 6 8. / : .3.-/6 (' 3. (2.0 ' 1. * . /*4 (' 93). -*(/3) (7. .5 ') 9 * +-' 1 (7. * .0 ' 3) E/246 ' 3 /3) (7. 07/-1 ' + (7. 7.-1 (/:. 3 (7.).*.-(N _ + -' 1 & 7 07 /-.) -/&3 (7. *(' 3. * & 7.-. ' + * 29 6).) (7. 0 (4 ' + (7. =-./ (3 : R (& ' 96) * . . 1 (7/((7. 79-07 3 ' 0 ' 3C9.-3 : (7. 0 (/). 6 ' + (7. 1, -. ' 7/) 6 ' * ((7. + -. * 73. ** /3), 9- (4 ' + (* ./-64) /4 * (7/) ; /3C9 *7.) (7. .5(.-3/6 , ' & .- ' + 7./(7.3 * 1 F (7/) *(66 (' *92) 9. (7. + ' -0. * ' + 0 ' --9, (' 3 & (7 3 (* ' & 3 , /6. (* /(/66 (1. * 7/-) + ' -' 1.) ' 0-. 07/-/0(.- (' * 30.-.64 . 12-/0. / 6 ' + (4). /6 /3) (7. *, .0(/06. ' + : -' ; .66 3 : & ' -6) 73. ** /3) 1/(.-/6 * 1 /++. 0(3 : (7. (' 3. ' + /3 .6. ; /(.) *, - (9/6 (4 * 3 ' (9383 ' & 3 3 6/(.-)/4 * E9(3 (7. + ' 9-(7 0.3(9-4 (7.-. & /* + ' 93) / -. 13/3(-./) 4 (' */0- + 0. .; .-4(7 3 : /((7. * 9 1 1 ' 3 * ' + /3 1, .- ' 9 * +/ (7 7. 1.12.-* ' + (7. , -' 9). * (7 ' 9 *. * * ' 6) /66 (7/((7.4 7/) (9-3.) (7. - 2/08* 9, ' 3 * (/(. /3) 6959-4 3 ' -). - (' * , .3) (7. -. 1/3). - ' + 6 +. 3 & ' -8 * ' + 1.-04 /3) , -/4.- 3) 3 -./) 3 : (7. 6. ((.- * ' + B. -' 1. & . * 7 ' 96) 3.;. - + ' -:. ((7/(7. * ' + (7/(.6.0(0 ' 1, /34 (7/(7. -.:/-) * ' 1/3 * ' 0 .(4 3 (7. 7 :7 6 :7 (* 7 3 3 : + -' 1 (7. -' * * /3) (7/((7. -' * * (' 7 1 * ' 3 ' ((7. 1.-. * 412 ' 6 ' + / 0 ' 3;.3(' 3/6 0-..) 29 (/3 1, .- ' 9 * , ' & .-) .1/3) 3 : / *9--.3).- ' + & 66 /3) ./-(764 , /** ' 3 /* 0 ' 1, 6. (./* (7. =-./ (/0- + 0. ' + /6 7. : 6 ' -4 ' + (7/(/ :. * (7. 3912.- ' + (7 ' *.

AA e GW QK CD ND ? @ P P) D @ DK D) C)? FDP QN ??OQF)@ DC , K) Q DP? ND) M C C)@P@ @D)KC @?) N . D@ #? CD O DX LDEDC

*1 AA" e WA \ 1 G e G[O EDCD QN M C F? KQC D @)@C O C?F QE? @ RQ) FF @)CDQ@ Q F)O EDC ED RQ KQC ?)D N)P@ DP C D] Q Q

&6 0/,/26. *907 *.6+ *9--.3).-F /3) /3 /:. *7'96) 7. %9):.) 24 (*).6* 3'(24 (7. 1.) '0-(4 0'3;.3('3/6 -.6 : '3 +/*8 3: &'-6)64 *.6+ 3)96:.30. 7 *& . 7/;./6&/4* & (7 *F (7.''(7.- &. 7/;.3'(/6&/4*

'-.(7/3 +(4 4./-* 7/;., /**.) /&/4 7. 0/(/064*1 '+2/-2/-*1 7/* +/66.3 '3 (7. .*(-'; 30.* 7/;. 2..3 -/;/:.) *,6.3)) 0(.* 7/;. 2..3).*'6/(.) /3) (7. 1,.-/6 ,'&.- 7/* 2..3 *7/8.3 (' (* 2/*. B.-'1.''3 (7. 3.&* '+ (7./-6.*( ) */*(.-* -./07 3:7 1 7/) */) Q 7. 2/-2/-/3* /-.*(-'3: (7-'9:7 '9-; 0.*R $ 3) (7 * * (7. (.5(''3&7 07 /3'(7.- :-./(,-./07.- 0/66* (7. '1/3&'-6) ('-.0':3*. 3 (7.- 0/6/3 (.* (7. -:7(.'9* ,93*71.3(+'- (7.- * 3* /6; /39* /,-.*24(.- '+ /-*. 66.* 19*(7/;.*..3 /61'*((7. 06'*. '+ (7. + +(7 0.3(9-4 N E'-3 ,-'2/264 /('6':3. N /3) .)90/(.) 3 (7. 07'6'+ -.;.* 7. 7/) & (3.**.) 3 7 * ./-64 4'9(7 (7. 7'--'-* '+ (7. :-./(3;/* '3 &7 07 6/) (7. 0(.* '+ (7. 7 3.6/3) 3 /*7.* -'1 (7.*. (-'926.* 7. *'9:7(-.+9:. 3 (7. *'9(7 '+ =/96 &7.-. 7. 6;.) 3 3(1/04 & (7 *'1. '+ (7. :-./(2*7',* '+ (7. (1.G 907.-/3) 6/-9* /3) (7. *07'6/-64 /3) /*0.(0 *'0.(4 &7 07 1/). (7. *6. '+ /-3* (* 7'1. . * /1/3 '+ 8..3 *41,/(7.* /3) + .-4 (.1,.-/1.3(+9 '+ (7. /*0.(0).6* '+ 7 * (1. .+..6* / 29-3 3: 3) :3/('3 /:/ 3*((7. *.6+ *73.** '+ (7. &./6(74 /3) '++0 /6 06/** /3) /3 .C9/664 ,/** '3/(. , (4 +'- (7. ,''- /3) ',,-.**.) &7 07 7/) 7. 6;.) 3 (7. 3 3.(..3(7 0.3(9-4 &'96) 0.-(/ 364 7/;. 1/). 7 1 / '0/6*('+ (7. .5(-.1.*((4,. M 7. (7.* * '+ (7. (-./(*. .3((6.) (1 , 0 4 ;.-4 * 1,6. N 7. 932.6.; 3: , 09-./3*1 '+ (7.)/4 */& 3 (7. 0/6/1 (.* '+ =/96 '364 / ,-''+ '+ (7. 3) ++.-.30. '+ (7. . (4 (' (7.

C5 B[e G_ @?C C ODLL) 7) K) ? DC CQ@ @?C C C /?N)@QC CQOD) Q DUD L QC JD@Q)E . 5 $ L B_ QCRQD M?E D @ CD@DL Q D K?@) JD@@)E QC #)C)L?@ DNO?) T ?5?OD JDF)C QC ?# #M?N MD CD@ MD #? S R ? DE L G[[7Q ? E?QK C)K?Q 4 CCDL ?@L .KD O @)F)5 G)E?FDCLD@C RQD @)E 0 N C ,P OO @)D L)O QC DC D ED RQ?)F RQ E ?)CCD)NOF Q) E LD DN

@ C O ?O @RQQC ND@C DCCD DD 5, MD ?Q K??SC ,). . ,)P) @C)) LD L DCODL X)FFT I'O)QOD 'KD) QE @DN DN ND@E)L) D E DC CQOOF L QN)LQF) D $%MD #? S #)C # D@) D WI ? ND@ ?@C b [" MD 'ED D) ? 3 ? QC) %? E?QCD)@E O ?K)KFT KD ? D BG ? MD ED D) ? , F)KT MD /?N)@C)@E C P? MC C @?)FFQEDE ?

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+ ' - (9 3 . * ' ' + ' 1 . 3 $ ' /6 ; / 3 9 * ' * / & ' 3 ' (7 . 1 ' (7 . ' O 6 . / - . * (' . ;) . 3 0 . ' ' + ' / ' , - ' ;) . 3 (/ 6 ' : ' ; . - 3 1 . 3 (' , 9 3 * 7 3 : ' * 3 ' 2 4 ' 6 . / ; 3 : ' (7 . ' * 3 3 . - ' (' ' (7 . ' / , , - ' , - / (. ' 0 ' 3 * . C 9 . 3 0 . * ' ' + ' 7 * ' 1 *) . .) * ' 7 . ' ' 1 / 3 ' & ' - 6) ' 7 / * ') . * . - ; .) ' (* ' + / (. ' 2 4 ' (* ' 3 % 9 * (0 . ' / 3) ' ' , , - . * > * ' 3 ' (* ' 0 9 ,) (4 ' (* ' 6 / 0 8 ' ' + ' 7 / -) 4 ' , 9 2 6 0 ' * , - (' (* ' + ' 9 6 ' / 3) ' 9 3 ; . - * / 6 ' 6 0 . 3 (' 9 * 3 . * * ' -. + . 0 (* ' / 3) ' : ' ; . - 3 ' - * N ' 7 / ; . ' 2 . . 3 ' ; . 3 / 6 ' / 3) ' 0 - 9 . 6 ' (7 . ' 1 3 ' - ' ' ++ 0 / 6 * ' 7 / ; . ' 2 . . 3 ' . ; . 3 ' 1 ' - . ' * ' ' 7 . ' 0 9 - / 6 . * ' (7 . ' : ' ; . - 3 3 : ' ' -) . - ' ' + ' (7 . ' 1 9 3 0 , / 6 (. * ' 7 / ; . ' 2 . . 3 ' * ' ' 1 / 3 4 ' (4 - / 3 (* ' 6 / 4 3 : ' ' 3 ' / 3) ' 6 . ; 4 3 : ' (/ 5 . * ' ' + ' & 7 0 7 ' (7 . ' 7 . / ; . * (' 2 9 -) . 3 ' + / 6 6 * ' ' 3 ' (7 ' * . ' 6 . / * (' / 2 6 . ' (' ' 2 . / - ' (7 . 1 N ' + ' 2 4 ' 1 , . - / 6 ' : - / 0 . ' (7 . * . ' . 5 / 0 (' 3 * ' / - . ' 6 : 7 (. 3 .) ' (' * ' 3 ' (' (7 . ' , ' ' - ' 2 9 (' (7 . ' - 0 7 . * (' 0 6 / * * ' & 7 ' ' + . . 6 ' (7 . ' - . 6 . + $ ' ; . 3 ' (7 ' * . ' & 7 ' ' 7 / ; . ') . ; ' (.) ' (7 . 1 * . 6 ; . * ' (' ' / * (- 0 (' * , - (9 / 6 ' 6 + . ' / - . ' (/ 3 (.) ' 2 4 ' (7 . ' 9 3 ; . - * / 6 ' 0 ' 3 (/ : ' 3 ' 7 . 4 ' & 6 6 ' 2 . ' : 9 6 (4 ' ' + ' (7 . ' : - ' * * . * (' ' , , - . * * ' 3 ' & 7 . 3 ' (7 . 4 ' : . (' (7 . ' 0 7 / 3 0 . N ' + ' (7 . 4 ' 7 / ; . ' & . / 6 (7 ' (7 . 4 ' / - . ' / * ' - . /) 4 ' / * ' (7 . ' 1 ' * (' 0 4 3 0 / 6 ' & ' - 6) 6 3 : ' (' ' 7 ' / -) ' (7 . - ' 1 ' 3 . 4 ' 3 * (. /) ' ' + ' : ; 3 : ' (' (' ' 7 - * (< * ' , ' ' - ' / 3) ' (7 . 4 ' & 6 6 ' / 0 (9 / 6 6 4 ' , - . (. 3) ' (7 / (' (7 . - ' * / 0 - .) ' , - ' + . * * ' 3 ' . 5 . 1 , (* ' (7 . 1 ' + - ' 1 ' (7 . ') 9 (4 ' ' + ' * 9 0 7 ' / ' * / 0 - + 0 . ' 7 . 4 ' & . / - 3 : ' (7 . ') - . * * ' ' + ' / 3 ' ' * (. 3 (/ / (' 9 * ' / * 0 . (0 * 1 ' & ' , 6 . /) ' (7 / (' 7 - * (' 7 / * ' 3 ' ' 3 . .) ' ' + ' (7 . - ' : + (* ' N G 7 - * (' & 7 ' ' * ' (7 . ' 9 3 ; . - * / 6 ' 9 + + . - . - ' & 7 ' * . ' 3 + 3 (. ' , (4 ' 1 / 8 . * ' 1 ' * 7 / - . - ' 3 ' / 6 6 ' (7 . ' * 9 + + . - 3 : * ' ' + ' * ' * . - ; / 3 (* ' 7 - * (' . 5 0 6 / 1 * ' (7 . ' , - . / 0 7 . - ' 3 ' / ' , / * * / : . ' ' + ' - 7 . (' - 0 / 6 ' , ' & . - ' * ' (7 . ' 1 ' * (' 3 . .) 4 ' 3 ' (7 . ' 9 3 ; . - * . ' 2 . 0 / 9 * . ' . ' + . . 6 * ' (7 . ' 3 . .) * ' ' + ' / 6 6

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:-'& 3: - 07.-/3) 1'-. ,'&.-+96 24 (7. 1 , '; .- *7 1 .3('+ (7. -3. :72'9-*&.-. /66 /6 8.*938 3 (7. 1 '*(/2'1 3/26.* .3*9/6 (4 $ 7. (7./(-. /3) (7. 0 -09*7/) 2..3 +'- + ; . 0.3(9- .* (7. :-./(0'--9,('-*'+ (7. '1/3&'-6) E9(3 *, (. '+ (7. (793).-*'+ (7. 79-07 /3) (7. 0/6/1 (.*'+ (7. (1 .*(7.*. *07''6*'+ 0-9.6(4 /3) 69*(-.(/ 3.) /66 (7. -'6) +/*0 3/('3 +/- 3('(7. + +(7 0.3(9-4 N ,'623/- *) '3 9* /2'9(V@A).*0- 2.*/* *(66 +6'9- *7 3: /(/-2'33. N (7/( ).:-/).) , /3('1 1. 3 &7 07 (7. +'96.*((/6.* '+ (7. '6) 14(7'6':4 &.-. ,-.*.3(.) 3 *, ./8 3:.*(9-. 7.: /1.* '+ (7. 0 -09* &.-. 7.6) /(-6.* /* 6/(. /* V@! 3 7'3'9- '+ /%'- /3 M (* (-9. (7/('& 3: (' (7. :-'& 3: , '; .-(4 '+ (7. 193 0 , /6 (.*(7.*. .57 2 ('3* 7/) 3 1/34 , 6/0.* 0./*.) ('2. 7.6) F /3) *.6+ 0'1 , 6/0.3(', (1 *1 (''8 0-.) (+'- (7 * /* /* : 3 '+ / 7 :7.- 1'-/6 ('3. N E9(/6; /39* -9(76.**64 .5, '*.* (7. , -.(.30. 7. '1/3 07/-/0(.- 7. 1/3(/3* * *(66 93/6(.-.) 29((3'' 6'3:.- 7/* (7. 1./3* '+ :-/(+4 3: (* 2/*. (/*(.* 7.-.; .- /* /('1. '- /; .33/ (7. , 9220 /19*.1.3(* 0/3 *(66 2. 8., (9, (7. , . ', 6. & 66 +6'08 /* 3 '6) (1.*('' & (3.** (7.1 7. 2/, (*1/6 ; '&' ('' -.3'930. QSB! (7.*. &'-8* '+ (7.) .; 6R * +'-:'((.3 24 / 3'1 3/664 7- *(/3 , . ', 6. 7. 079-07.* /-. .1 , (.) (7. 7'64 14*(.- .* '+ (7. /6(/- /-. 0'3(.1 , (9'9*64).*.-(.) +'- (7. +.; .- *7 .50 (.1.3('+ (7. 0 -09* ; .3 (7. /, , /- ('3' '+ (7. 3; /) .-* 0'96) 3'(/2/(. (7. -/:. '+ (7. , ', 96/0. +'- (* /009*('1.) 3)96:.30. 7. 7- *(/3* '+ -(/ /3) /-(7/:. &.- 07. - 3: - ; /6 07/- '(..-* '- -.; .66 3: 3 (7. (9-, (9). * '+ (7. (7./(-. &7.3 (7. - &/66* &.-. *9--'93).) 24 (7. /3)/6* N 8. (7. , 6/:9. '+ (7.3* $ '- (7. , 6/:9. 3 (7.))6. :.* N (7.) */*(.-* /3) 0'3+9* '3 '+ (7. + +(7 0.3(9-4 1/). 1.3 -.086.** /3) , -'3. ('+-/3(0 .50.**.* 7.6./) 3: 0 (0.3* N '+ -.; .* / 0 (4 &7 07 2'-. (7. + -*(/3) + .-0.*('3*6/9:7('+ (7. 3; /).-* /3) &/* +'9- (1.* & (7 3

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2.6 .+ .((7.-. *6*' 6 ((6. (-/0. '+ *7/1.6.** ; 0. 7. 0'3(.1,'-/-4 *'0 .(4 '+ 411/079* /('1. & /* *.;.-.64 -.*,.0(/26. 3*, (. '+ (* ,/:/3*41,/(7 .* + C9 (/3 /3 1'-/6* 3 (7. (1. '+ /6; /39* &.-. *' (7'-'9:764 0'--9,((7.3 3*, (. '+ (7. *, -(9/6 (-91,7* '+ /-(3 3*, (. '+ (7. .++'-(* '+ / 7 :764 '-:/3*.) 079-07 -96.) 24 1/34 2*7',* '+ */ 3(64 07/-/0(.-/3) :-./(,',96/-3+69.30. (7. ('3. '+ ,-'; 30 /6 *'0 .(4 19*(7/;. +/66.3 2.6'& (7.6.;.6 '+ 9*'3 9* /3) 7 * +-.3)* /3) '+ (7'*. :-/;./3) *(-0(,-'; 30 /6 *.3/('-* &7' (.3 :.3.-/('3* 2.+'-. 9*'3 9* &.-. -.:/-).) 24 /0 (9* $/* (7. */6('+ (7. '1/3 &'-6) /6; /39* 6 8. B.-'1. %9):.) (7.1.3 '+ 7 * (1. 24 / *(/3)/-) &7 07 1 :7(2./- 7/-)64 '3 (7.1'*(-.*,.0(/26. *'0 .(.* '+ 1').1 7-*(.3)'1 /6; /39* * .**.3(/664 / ,-./07.- E9((7. ,-./07.-'+-'1 7 * ;'0/('3 /3) 3 ,-', '-('3 (' 7 * .3(79* /*1'+'-- :7(.'9*3.** 0/33'(2./') *, /** '3/(.'2*.-;.- * , 0 ' * (' .) +4 3'((').*0-2. '- /3/64*. & (7 7 *('-0/6 /009-/04 .& 66 *.6)'1 -.+.- (' ; -(9.* /6-./)4 &'3F 7. & 66 .5/::.-/(.+/96(* &7 07 7. & *7.* (' .-/) 0/(.F 7. & 66 26/08.3 .;.3 7 * '&3 , /*((' .5/6((7. :-/0. (7/(7/* */;.) 7 1F /3) 7. & 66 2. .C9/664 1.-0 6.** (' (7. * 3* '+ (7'*. &7'1 7. * *(- ;3: (' -/ *. (' / 7 :7.- 6+. 6. *'0 .(4 '+ /6; /39* &7 6. 3'1 3/664 7-*(/3 &/* /* 6 ((6. 306 3.) /* 1').-3 *'0 .(4 (' 0/--4 '9(3) / 64 6+. ,-.0.,(* &7 07 3(.-+.-. & (7 1/(.-/6 *900.** 7. 1.3 &7 ')) * ' (7.3 6'*(0/*(. /3) &.-. -.:/-).) 24 (7. ,'6 *7.) /3) *.6+ *7 &'-6) ;.-4 1907 /* '-/0. /6,'6.$ &'96) 7/;. (-./(.) /3 /-*('0-/(0 +-.3) &7 ' 7/) (9-3.) .(7') *(3 (7. '(7.- 7/3) (7. 1/3 &7 ' 7/* 1/) .(7. :-./(-.3930 /('3 * /,((' (-./((7. &'-6) 64 06/** /* &'-*. (7/3 (-./664 * (* ,6/0) 1/(.-/6 *1 (* 2'9-:.' * 0'3(.1,(+'-' /66).6 / 1* -- (/(. (' 1/)3.** (7. *'96 (' &7 1)./(7 /3) (7. =-./(B9):1.3(/3) (7.6 +. (' 0'1. /-. (7. '364 -./6(.* 7. :-'**.- * 3* '+ /* 1/66 1 3'- (4 /-. -.:/-).) /* (7.3/(9-/6 ,-')90('+ (7/(/2*'-,('3 3 (7. (7 3:* '+ (7. ,.-*7 3:* &'-6) &7 07 * (7.6

' ' '<<' C NQF @? 'M?N @? 'D @Q@ ?O C D 'L?F?@ C) RQD D)N O ?' @? C Q CD@) QN)ECQNO ' E?NDC' L)N O) C N?@)N @Q4@ @ ' L' =! ' B' %MD ?O @ ?@ #MLM %)L QC M?FE')C ?' MD CD D T?'N?)FC @' MD O ? @LDC' C L?@ NDE KT' MD' O L Q D' #M LM' ,QC?@ QC P DC ?' M C)N FT' L LFD @' MD' , , .-

' & ' 6)FO?FD C 8 ' ?F ' O' GIG b ?' V' MQ D"

GA[' " ( ) * + ' & ' * 6) ') ' * 700;'

07' 0+.' '-' (7.' 3.0.** (4' '+' (7.' 1 /**' '+' 1 .3' /(' /66' (1 .*' E9(' (7.' 1 '3*(.-*' '+').,-/; (4' 3' .;.-4' /:.' /-.' ,-'2/264' /*' -/-.' /*' (7.' ,/-/:'3*' '+' */ 3(64' ; -(9.' 3)' &.' 3..)' 3'(' (/8.' ('' '6 (.-/664' (7.' 0' '+' /6; /39*' (7/(' (7.' '1/3' &'-6)' &/*' 6/9:7 3:' &7.3' (') .) R

2..3 3'1 3/664 7-*(/3 +'-(&' :.3.-/('3* &/* 6 ; 3: 3 O6'*.' O'3(/O(& (7 (7. =.-1/3 3;/).-* /3) &/* 2.O'1 3:) 164'O'3*O '9* (7/(((7.'6) '-).-* &/* ,/** 3: /&/4

W 9-.6 9* 411/079* &/* /1.12.- '+ /+/1 64 &7 07 7.6) /+'-.1'*(,6/O.' 3 (7.' 6/*(C9/-(.-' '+ (7.' +'9-(7 O.3(9-4 29(&/* 3'(.C9/6 (' *'1.' '(7.-* 3 &./6(7 /3) /3(C9 (4 * :-/3)+/(7.-' &/* O'3*96 3 (7.' -.:3 '+ '3*(/3(3.$ * +/(7.-' 7/)' 2..3 ,-.+.O('+ (7.' O (4 3 (7.' -.:3 '+ /6.3(3 /3 /3) '/+(.-' 7'6) 3: /66 (7.' 7:7 '++O.* *(66 *9-; ;.) 3 (7.' 4./-' ?"[7.' 63.' &/* ,-'6'3:.) (7-'9:7 /'*900.** '3 '+) *(3:9 *7.)).*O.3)/3(* 411/07 /,,./-' 3 (7.' /*(/* O'3*96* 3 VV@ /3) V"X +.1/6.').*O.3)/3('+ (7.' -/('-' &/* (7.' &+.' '+ (7.' :-./(E'.(7 9* /3) (7.' 1'(7.-' '+ (7.' (&' O'3*96* '+ X[[M W 9-.6 9* 411/079* (7.' /9(7'-' '+ (7.' 6.((.-* 1/-- .) /))/9:7(.-' '+ .1 1 9* (-/* 9* -+(9* &7'' &/* -2/3 ,-.+.O(3 (7.'-. :3 '+ '3*(/3(3* .'&/* (-/3.) 3'*,./8 3:'/* *'' 1/34 4'93:' '1/3* '+ (7/((/:.' &.-.' 24 /' =/66 0 ,-'+.**'-' '+ -7.('-0 /3) 3 7 * ./-64 4'9(7 7.' +'-1.) /' O6'*.' +-.3)*7 ,' & (7 (7. ,'.(9*'3 9* /((7.' O'9-('+ /6.3(3 /3 '3 (7.' 73. * ./-6 .*(.++'-(* 3 '-/('-4 &.-.' ,/3.:4-0* '3 (7/(1 ,.-'-' /3) '3 =-/(/3).6 ;.-.) /(-+.;.*)9-3:' (7.' O/1 ,/ :3* /:/ 3*((7.' 6.1/33 7.' '-/('-4 '+ 411/079* &/* :-./(64 /)1 -.) 24 7 * O'3(.1,'-/-.* N /3) 7.' &/* -.,./(.)64 *.6.O(.) ('' ,9(2.+'-.' (7.' 1,.-'-' (7.' ; .&* '+ (7.' .3/(.' 3 C9.*('3* '+ (7.')/4 * *,..07 '3 (7.' -.1';/6 '+ (7.' 6(/-' '+ O('-4 * 3'(93&'-(74 '+ 7 * +/1.' /3) 7/* /0C9 -.) /)) ('3/6 3(.-.*(+-'1 (7.' -.,6 .* '+ 7 * 8 3*1/3 12-'*.' /3) (7.' ,'.(-9).3(9*

7.' 3*O- ,('3N).)O/(.) 24 W /2 .11 9* 41> 1/079* (' (7.' 1.1'-4 '+ (7.' :-./(*.3/('-' -.O(.* /' 6'3:' 6*(' '+ '++O.* &707 7.' 7/) 7.6) .' 7/) 2..3 :';.-3'-' '+ *.;.-/6 ,-'; 30.* ,-.+.O(' '+ (7.' O (4 ,'3(++ /3) O'3*96

' DDLS)' '2 ' UF ' 9?' MD' L) DD' ?' 3' ,Q ' ,)@ QD' TNN)LMQC' CDD' , 8' 'GBIH ' /@C L)@)' MD' # D' ?' 7?D M QC' MD) C' MD' @)ND' ?' MD' P ?) P D) ' N)QEN? MD ' MD' # D' ?' :' ,Q DF QC' TNN)LMQC' L ' MD' DNN)' ?' MD' TNN)LM' @' DDLS' UF ' TN')5' U' HH

' ')5' 'WA ' ,QC?@')5' U ' EQN' @' L?N) Q' EDP NQC')NK? ' &D' #)C' D@ QC DE' # M MD' LM? LD' ?')' O ? DCC?' ?' MD ? L' ?' 1 F)@' ' MD' LM? LD' DFF' ?@' ' ,QPQC @D' ,QP' (0 3' L' GW' e' AW' L ' 1)L ?K' ' G' ' 5 QED@' L' '2 ' BWA — ((8' 3' GBII

.'&/*'/)1((.)64'(7.'07.+''+'(7.'.3/(.'.('-'2/264'3''
,926 0'1/3'.;.-'6.+('2.73)'71'/'0'66.0('3''+'6.((.-*''+'*''
6((6.':.3.-/6'3(.-.*('3'/3'/:.''+':-./('0'3+60(*'/3)':-./('
07/3:.*'('*'*(/-(63:('''+3)'?31/079*'0'1,6/33:('''7*'
0'--.*,'3).3(*''+'6/08''+'1/((.-$'(7.-'(7.':';.-31.3('&/*'
;.-4'-.(0.3(N''-'411/079*'/3)'7*'0-06.'&.-.';.-4'93'2*.-;/3('
'-'0/-.6.**''+',926 0'/++/-*'7.'.3/(.'&/*'*(66'(-./(.)'24'
(7.'.1,.-'-*'&(7'0.-.1'3'9*'-.*,.0('/3)',''**.**.)'1/34'
;/69/26.',-;6.:.*'E9('/+(.-'(7.':-./('-.'-:/3*/('3'24'
'06.(/3'('7/)'0./*.)'(''7/;.'/34'*7/-.'3'(7.':';.-31.3('
8.'(7.'0'3*96*7,'('-.1/3.)'/*'3.''+'(7'*.')':3+.)'
+0('3*'24'&707'(7.''1/3')*:9*.)'(7.';/*(3.**''+'(7.'
07/3:.'&707'*.,/-/(.)'71'+-'1'(7.')/4*''+'+-..)'1'('
&/*'3)..)',/-('+'(7.','604''+'(07''('0'3*96('/3)',/4'
).+.-.30.''('7.'.3/(.'/3)'3'(7.'(-'926.)'4./-*''+'6/-0<*'
3;/*'3*'(7/('2')4'/,,./-.)'1'-.'(7/3'30.'('.5.-0*.'*'1.'
3).,.3).3('/9(7'-(4'E9('(7.*.'&.-.''364'(7.'669*'3*''+'
/'1'1.3('00/*'3/664'(7.'1,.-''0'3).*0.3).)'('*.3)'
('/').*,/(07'(7./--;/6''+'&707'('1.3'68.'411/079*'
&/*'/3'.;.3('+'(7.'+-*('1,'-(/30.'7/('3'('/'1'1.3('
1:7('2.'6'*('(7./9:9*('2')4'&'96)'*'1.(1.*'2.'*911'3.)'
2.+'-.')/&3'('7./-'(7.'+'-1/6'&'-)*''+'*'1.').*,/(07'
&707'1/4'7/;.'6((6.').*.-;.)'*907'./:.-'2/*(.N''2.'
07'*.3'('-./)'('('(7./**.126.)'3'26.*'&/*'/'0';.(.)'
7'3'9-'/3)'411/079*'('&7'1'(7.'(/*8''+(.3'+.66'*'+)6''+'
:-/((9).'/('2.3:'1/).'(7.'3(.-,-.(.-''+'(7.'Q')';3.'&'-)*R''
E9('/66'(7*'&/*',9-.64'+'-1/''1.'7/)'6'3:'0./*.)'(''2.'
(7.'-./6'*./('+':';.-31.3('''('/'*3:6.'-.*0-,('3'(7.'(1.'
'+'411/079*''*')/(.)'+-'1''1.N'7.3''3'-9*',/)'7*'
(-91,7/6';*('3'VA?'(7.',/6/0.''+'(7.'/.*/-*'/('1.'7/)'
2..3',-/0(0/664').*.-(.)'+'-'/'793)-.)'4./-*'76.'0'9-.-*'
&.-.'/--;3:')/4'/3)'3:7('/('6/3''-'/;.33/'/3)'(7.'
1,.-/6'0'9306'&.-.').62.-/(3:''3'(7.'6/(.*('.1/3)*''+'
6/-0'(7.'(.-3/6'(4'(7.'7./-(7''+'(7.''1/3'-/0.'(7.'
7'1.''+'(*':')*'3'&7'*.'3/1.'(7.'&7'6.';/*('*4*(.1'&/*'$

'G[''?''H<')''?F N'
O) D@ LC D)N' O))D' @DP?)' RQ)D'
@Q@L') PQ) Q' ?F @QFF)'CQ@'@')N F'
) DC O)P @)C L?@ D DK)@

$ 0@' M C' P? D @ND@' N?@?O?FT'?'
@?#C' 5D D''".'8''WBW

'TN')5''GH'@?@EQN'L)DF?')F
KD@ D'??@LQ Q
'1''I<'&D')CSC' T)P QC'?'
M)@S' MD'DNOD ? C'\RQ'MQN)@)D' ?L'
E @)C'F D)C'L LE ED Q@ ^
'O DP? ? C' B0'''''
''O'GG_'b.@P'%"

0/-- .)' '3' 7/)' /61'*(' /*' 6((6.' 3+69.30.' '3' (7.' 0'9-*.' '+' :';.-31.3(' /*' 29-' '-' -/.3.*(.' '&'/3)' (7.3' /' +..6 3:' '+' 3.:6.0(' /3)').*.-('3' 2-./8*' '9(' /*' 7' (7.' /,,./6' '+' 6/9) /3' ('' (7.' 1,.-'-' ('' -.(9-3' ('' 7 *' (-9.' 7'1.' '3' (7.' /6/(3.$' 00/*'3/664' (7.' ,-).' '+' (7.' .3/(.' *' *''(7.)' /*' &7.3' (' &/*' 0'3*96(.)' /2'9(' (7.' &/-' & (7' = 6)' M' (*' 7',.*' &.-.' -'9*.)' +'-' /' 1'1.3(' &7.3' (7.' 2/-2/-/3' 0'3C9.-'-' -/*.)' (((/3*' ('' (7.' ,9-,6.N' E9(' /*' /' -96.' /')966' :-/4' /(1'*,7.-.' *..1*' ('' 2-'')' ';.-' (7.' 7:7' *'0.(4' '+' '1.'/3)' &.' 0/33'(' 7.6,' &'3).-3:' 7'&' 1.3' 6 8.' -'29*$' /+(.-' :';.-3 3:' ,-'; 30.*' 6/-:.-' (7/3' /34' 8 3:)'1' '+' 1').-3' 9-',.' 0'96)' 7.' 0'3(.3(' & (7' (7.' +- :)'):3 (4' /3)' (7.' .1,(3.**' '+'(7.-'6;.*' 3' (7.' 0/, (/6

G 7.' .3/(.'3'')'92(' &/*' 1,'(.3(' /3)' 66 3+'-1.)' .(' (7.' 0/61' *6.30.' '+' 411/079*' 3' (7.' +/0.' '+')/3:.-*' /3)' 0/6/1 (.*' &7 07' 19*(' 7/;.' *(-908' (7.' 1'*(' 93'2*.-;/3(' *' ;.-4' ,9006 3:' (' 1/4' 2.' (7.' ,-'9)' -.*.-;.' '+' (7.' 1.12.-' '+' /:-./(' -/0.' &7 07' & 66' 3'(' 7 3('.;.3' 3' /'0'3+).3(/6'6.((.-' (7/(' (7.' 0'1 1'3&./6(7' *' 3' ,.-' (' 1/4' 2.' /6*'' (7/(' 93*7/8.3'+/ (7' 3' (7.').*(34' '+' '1.' &7 07'' 364' /'+.&' 4./-*' /+(.-' 7.-' 0/,(9-.' 24' 6/-0' 3*,-.)' (7.' 6/*(' (-9.' ,'.(' '+' '1.' (''0.6.2-/(.' 7.-' 2.3.+0.30.' /3)' 06.1.304' /3)' ('',-.) 0(' +'-' 7.-' /3' 93.3) 3:' *&/4 N' 7.' +..6 3:' &/*' *7/-.)' (''*'1.' .5(.3(' .;.3' 24' 7-*(/3' &-(.-*' 6 8.' ' 9:9*(3.' /3)' -'*9*N' 7.-.' *' /' (.3).304' '3' /66' *).*' ('' (-./(' (7.' 1.3/0 3:' (-'926.*' '+' (7.' (1.' /*' '364' /' ,/** 3:' 06'9)' /*' 3.0.**/-4' 30).3(*' 3' /3' 1,.-/6' 0/-..-' 3'(' &'-*.' (7/3' '1.' 7/)' '+(.3' *9-> 1'93(.)' 3' ,/*(' /:.*' .(' 3' *,(.'+' (7.*.' 0'3*).-/('3*' (' *' *(/-(6 3:' ('' -./)' /' 6.((.-' +-'1' 411/079*' (('' 7 *' *'-$' 3' (7.'4./-' VA[' (7.'4./-' '+' (7.' :-./(' 2/((6.*' '+' '66.3(' /' /3)' .-'3/' &7 07' 1/8.*' 3'' /669*'3' ('' (7.' 3;/).-*<$' .' 0'3+ 3.*' 7 1*.6+' ('' (7.' 2/-.' /33'930.1.3(' '+' (7.' +/0(' (7/(' '& 3:' ('' (7.' 93*/+.' *(/(.' '+' (7.-'/)*' 7.' 7/*' 7/)' ('' 1/8.' /' 6'3:').('9-' 3' '-).-' ('' -./07' (7.' '9-(' /(' 6/3

' 4 '' = 0' (0 ' 60 0 ' WI ' <W
' TN YO 'B ? MDTD) WI_L?@CQF '
P Q '@'CD@) Q'N? D'N)Y? QN' @PD@ '
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(f?C' ' B'
' DU' 5D '5_?KQC'M)E'KDD@'O ?L?@C'
?', L)'W<_ BH' O)D 'O)D '?')FT'
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WH[' ? ')FT')P) @' WHW H ')@E' WH_'
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7.-. /-. / :'')1/34 :6 1,*.* '+ (7. *(/(. '+ '1.
)9-3: (7. /35'9* 4./-* '+ (7. = 6)'3 0 -.;'6(E9(&.
6./1' 1'-. +-'1' 6/9) /3 (7/3 +-'1' 4 1 1/079* /2'9((7.
1.) (/(.) (-/3*+.-. '+ (7. +- 0/3 ,-'; 30.* (' (7. /*(.-3
1, -. 4 1 1/079* * 0'30.-3.)07 .+64 & (7 (7.) :3 (4 '+
7 * '-).-. /3) (7. 0'3) ('3 '+ (7. 0/, (/6 (&/* /, -'9)
)/4 &7.3 (6 07'' 7/) (''-.,'-((7. ', 3'3'+ (7. .3/(.'3
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'+ 6/9) /3< 0'1,6/3(N Q, /*0 19-/-2(-' /9- R 7.
+- 0/3 0'-3*7 ,* 0./*.) (' -./07 *(/ & (7 (7.-& '3(.)
-.:96/-(4 /3) (7. (.--'-' '+ +/1 3.*,-./) /1'3: (7. 1'2
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7.-. &.-. /66 (7. * :3* '+ /0'1 3: *('-1 912.-* '+
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7 * 07 6) <.3 +-'1' (7. 0/, (/6M *' (7. 07 .+ /9(7'-' '+ (7.
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'30. *1 6 3:) *(-0(* 7/) -.(9-3.) (''&/*(. 7. 6.((.-* '+
411/079* +(7.4 7/) ('6) 9* 1'-. '+, 926 0.;.3(*$N 1:7(
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6(.-/(9-. * (* (7. -07 .+;/69.6.* 3 &7/(7.4 -/(7.-
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' TN')5 '<
$4 'F '? 0 ' _['
C TN')5' 'G''? ' GH' 'B
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$VB' ' AA' CDE' @Q@L' Q Q)' DC'
F) ?L@ C')QKQ K)@ @C
\' 1' 'GA
\' 'CM?QFE' K?' C) E' M) 'MD')OOD) C'
?'M) D')OOD@EDE' ?' C?ND' ?' 'M C' FD D C'
' K)FFD @'L?@) @ @P' MD' @D#C

413 /#79?' 2.6'3:.)' .-.' &.' *..' (' +'-' (7.' 6/*(' (1.' /,,/-.3(64' *.09-.' 3' (7.' ,'**.** '3' '+' .3'-1'9*' &./6(7' :-./(' /)1 3 *(-/(;.' ,'&.-' /3)' .5C9 * (.' *'0 /6' 096(9-.' /,,/-.3(64' & (7'9(' /' (7'9:7(' '+' (7.' *('-1' &7 07' &/*' /2@7(' ('' 2-./8 7.' *.3/('- /6' '-).-' &/*' .**.3(/664' /' &./6(74' O6/**' (' 7/)' 0'1.' ('' 3O69).' 3./-64' /66' (7.' 0'3*).-/26.' ,-',-.('-*' 3' (/64' /3)' (7.' ,-'; 30.*$' 3)' /*' &.' *7/66' *..' 3' /3'(7.-' 07/,(.-' (7.' &./6(7' /3)' *'0 /6' ,'&.-' '+' (*' 1.12.-*' &.-' 30-./* 3:' /*' &7/(' 1/4' 2.' 0/66.)' (7.' 1))6.' O6/**' (7.' .- . J -/,)64').06 3.)' 3' 3912.-*' /3)' ,.093 /-4' 3).,.30' .30.' +' 0'9-*.' (7.-.' &.-' 1/34').:-..*' '+' ',96.30.' 3' (7.' -/38*' '+' (7.' *.3/('-*' 7/(' *'1.' &.-.' 0'1,/-/(;.64' ,''-' *' .;).3(' +-'1' (7.' +/0(' (7/(' /' 0.-(/ 3' 3912.-' &.-.' -.6.;.)' '+' (7.' +966' &. :7(' '+' 1,.- /6' 1,'*(*$' E9(' &.' 7/;.' .5,-.**' (.*(1'34' /,/-(' +-'1' 3) -.0(' .;).30.' (7/(' (7.' &./6(7' '+' '(7.-*' &/*' .3'-1'9*N' ' *.3/('- /6' 30'1.' '+' (7.' 7 :7.*(' O6/**' .5O69* ;.' '+' &7/(' &/*').- ;.)' +-'1' (7.' .*(/(.*' 3' 8 3)' *'1.(1.*' -./07.)' (7.' *91' '+' e!"A AAA $' /3)' (7/(' /(' /' (1.' &7.3' (7.' '-) 3/-4' -/(.' '+' 3(.-.*(' &/*' ![' ,.-' 0.3(' '-.' 1')./(.' 30'1.*' *907' /*' (7/(' '+' 411/079*' /1'-1(.)' ('' e@AAA' /'4./-' 411/079*' 7/)' /('6./*(' (7-..' :-./(' 7'9*.*' 3' E'-3.' '-' (7.' *929-2*' /3)' +-+(..3' 0'93(-4' *./(*' 3' ;/-'9*')*(-0(*' '+' (/64N' .' 7/)' 6/-:.' .*(/(.*' 3' /1391' ,96/' /3)' /9-./3/' 7.'(.39-.'' '+' /:-./(' '++0.' 3' (7.',-'; 30.*':/;.' /' 1/3' (7.' 07/30.' '+' /0C9-3:' *907')'1/3*' 11/39*' /-0. 39*' *,./8*' '+' (7.' .*(/(.*' '+' .5' .(-'3' -'29*' /*' *0/((.-.)' /' ';.-' (7.' 1,-.N' /3)' 7.' 2-'/)64' 73(*' (7/(' (7/(' :-./(' 3'26.' 7/)' 3'(' /6&/4*' /0C9-.)' (7.1' 24' (7.' +/-.*(' 1./3*' 7.' .6).-' / 9*(9*$' &7.3' 7.' &/*' ;0/-9*' '+' ,/3

' f?C' 'WH' L ' 8Q QT' 'O'G_B')@E' J@ED ?TC' 9)) F?@' ?' '*'

A "' * ' 'A' 'H

' OFTNO?E',5' 0' e' 'b1QFF' /, '6 ' " ' "

' ,*X 0 5``T? 8Q QT' ' O' <IH' ?@' MD' ? Q@DC' ?' MD' D) FD'.NO D' 5)FF)C' MD' DDEN)@' ?' F)QE QC' D P@' M)E' W[[[[[[[[[' CDC D LDC' I' mW A[[[[[' #M LM')' GA' OD' LD@' #?QFE' P D')@' @L?ND' ?' mHH [[[

\' 9?' MD') ?QC'CD) C'?' TNN)LMQC' DDLS' UF ' ' C?ND' N)T' M) D' L?ND' ?' M N' KT' M C' # D' ?N' 0 QC' 1' G

' ,NN' 1)) ' UU ' GG' G' ?OQN')NOF QE @D' L?P@ QC' ? K' /?N)@?' OD' RQD @' Q@ D CQN' O)D@D' O) N?@)' CO) C)' O?CCDE ' YQC D')@' CDLQC' @?@' YQE ? ?M' DC' @?C ' 5F@T' N6 ' &' U ' H<'')FFDPDC' M) ' M)F' ?' /?N)@' , L)' #)C' ?#@DE' KT' C U' OD C?@C' 9?')' EDCL O ?@' ?' CQLM')@' DC) D' !' 7? CC D' 8 3 ' $0 ' O' G<[

' ? 8' ' G_AI' %MD' N?@QND@' DL? EC' MD' P) QED')@E')EN) ?@' ?' MD' O)@) EC' ' C' E) DE' @' MD' L?@CQFCM O' ?' V?)@QC' ,QP')@E') ?@)@QC' WH "' 9F) ')FFQC QC' M)E' KDD@' L?@C' ? E' @' WBW')@E' O)D' O)D' WBG W' L ' ,NN' F) L' UU ' H' G

/2'9(' ?'@'V', -'2/264'/0C9 -.)'(7.', -', .-(4' 9'(7/(', -'; 30.'&7 07' 7 *' *'3'.3%'4.)' /' :.3.-/('3'6/(.-' 3'(7.'(1.' '+' 411/079*' 7.' &./6(7' '+' /96/' &7'' /2/3)'3.)' (' /66' ('' /00'1,/34' ' B.-'1.' (' E.(76.7.1' '+' ' /96 39*$' /3)' 1/34' '(7.-*' '+' (7.' E'1/3' 3'2 6 (4' *' 83'&3' ('' 9*' +-'1' 7-*(/3' *'9-0.*

7.' +.-;'9-' '+' /*0.(0*1' 1/4' 7/;.' 6.)' ' B.-'1.' (' ';.->)-/&' 7 *', 0(9-.' '+' '1/3' 6959-4' E9(' (7.-.' *' '3.').,/-(> 1.3(' '+' .5,.3) (9-.' 3' &7 07' (7.' 6.((.-*' '+' 411/079*' -.;./6' /3' /61'*(' -.086.**' ,-'+9* '3' 7.', -/.('-*7 ,' &7 07' .S.-4' 4'93:' *.3/('-' '+' (7.' 7 :7.*(' 06/**' 7/)' (' /**91.$' &/*' '3.' '+' (7.' 7./;.*(' 29-).3*' '3' (7.' *.3/('- /6' 06/**' *' ' 7./;4' (7/(' *'1.' '+' (7.1', -.+.--.)' (' '-.* :3' (7.-' '-).-' -/(7.-' (7/3' 93).-(/8.' (' (' 7/)' 6 8.' (7.' 0'3*96*7 ,' 6'3:' 0./*.)' (' 0'3+.-' /34', '&.-' '-' /9(7'-(4' (' -.1/3.)' /*' /') *:9 *.)' +'-1' '+' (/5/('3' +'-' (7.', 6./*9-.*' '+' (7.' 1'2' '+' (7.' 0/, (/6' 7.' 4'93:.-' 411/079*' &/*' *(66' /' 1.-.' 2'4' 3' (7.' 7/3)*' '+' /' (9('-' &7.3' 7.' &/*').* :3/(.)' +'-' (7 *' .5,.3* ;.' 7'3'9-' '+' /19* 3:' (7.' -/226.' '+' '1.' 7.' :/1.*' &7 07' (7.' 4'93:' ,-/.('-' 7/)' (' ',-' ;).' 0'*(' 7 *' +/(7.-' /' *91' .C9/6' (' e"A AAA' '+' '9-' 1'3.4 M' '' +/-' +-'1' 0'1,6/ 3 3:' '+' (7.' .5,.3*.' 7 *' +/(7.-' *' ./:.-' (' *. O.' (7.' ', ,'-(93 (4' '+' :/ 3 3:' ,', 96/-(4' & (7' (7.' 0-'&) M' /3)' -.%.0(*' & (7' *0'-3' /34').' /' '+', /-* 1'34' *' (1.' /3)' .3.-:.*' /-.').;'(.)' +'-' *.;.-/6' 4./-*' (' (7.' ,-., /-/('3*' +'-' (7.' *, .0(/06.' &7 07' *' (' 9*7.-' 7 *' *'3' 3(' (7.' 0/-..-' '+' ,926 O' +.' 411/079*' 3' .;.-4(7 3:' /').;'(.' '+' (7.' ,/*(N' &/*' 3'&7.-.' 1'-.' 0'3*.-;/(;.' (7/3' 3' 7 *' 2.6 .+' 3' (7.' /30 .3(' :/1.*' .' 7/)' ,9(' /*).' (7.' 0'3> ;.3(' '3/6' ('3.' '+' *.-; 6 (4' 3').1/3) 3:' +-'1' (7.' -.690(/3(' 7.')'* 9*' (7.' ,.-+'-1/30.' '+' &7/(' 7.' -.:/-).)' /*' /3' 1,.-'9*')9(4' (' (7.' 0'11'3&./6(7 N' E9(' &7.3' (7.' '00/

TN')5' '<B' %MD' MD EC' ?' M? CDC' D D DE' ?' #D D'?@' MD')@ CM' DC) DC DD?S'LF '?' ')')5' U' GA '%MD' #D)F M' ?' 5)QF @?C' C')FFQEDE' ?' @', QC')5' UU ' GG<'

@D' CO) C)N')O) NRQD' E?NQN' F)LD C)R@D' L'D QN OD'E? @QC' D D C'5)QFF @' DP@)' FD)NQC' & C' # D' %MD)C)' #)C' D@? N?QCFT' #D)F MT' (' J DP' %Q ' ' ?, ' (0 9' G[_' 0@' MD' #D)F M' ?' 5)QF)' !' & D ?@')5' G[H'e'B "' * ' ' # M' MD' 5))' F? ' DDLS' UF ' 5 ?KQC' CM? FT') D

MD' ED) M' ?' &?@? QC' @' CO D' ?' MD' D@? N?QC' F?CCDC' L)QCDE' KT' MD' J? M L' @)C ?@' C' C) E' ?' M) D' DUOD@EDE' m< [[[' ?@')' C N F) ' ?LL)C ?@' 1)U X NQC' COD@' mGH[[[[' OFTNO ?E'e' ' TN')5' '_H' ' U' GAB' ' _H "9? ')@'DU) NOFD'? 'M C'L?@CD) C@)' ' WB' ?OO?C @P')' EDL C ?@' ?' MD' O?@ L)F L?FFDPD' ?')FF?#' MD' DC)FC' ?' D DL')' C) QD' ?' 5)D LU) @C \' 1' $. ' B' KDQL ?)' @QN Q C' DC ' O?OQF@C' /?N) QQC' DUODL) ' ' ' C?E' D)' Y) N' RQ) C' EDK)' DOD ' RQ) D') D DN)C' DC)' CO?@ D' O ?N C ' ' $ ' I

* '3' /-- ;.)' 7.' &/*' -./)4' ('' /0(' 9,' ('' 7 *' '&3' ,-30 ,6.*'
/34' '+' 7 *' 6.((.-*' /-.' +966' '+' (7.' 0'1 3:' :/1.*' .'
/,,./6*' ('' 7 *'+- .3)*' 3' /66' ,/-(*' '+' (7.' &'-6)' ('' /** *(' 7 1 '
'3*' /3)' 0-'0') 6.*' +-'1' +- 0/')':*' +-'1' 0'(6/3)' 7'-*.*'
+-'1' (7.' +/1'9*' *(9)*' '+' ,/3'/-./'*'9:7(' +'-'/3)' (7.'
1'*(' /35 '9*' ,-'; *'3' *' 1/).' +'-' (7.-' 0'3;.4/30.' +-'1'
(7.*.') *(/3(' -.: '3*$' 7.' :6/) /('- /6' *7'&*' 7/)' 3'(' 4.('
2..3' *9,,-.**.)' 24' 7-*(/3'*.3(1.3(' /3)' 411/079*' &/*'
).(.-1 3.)' ('' 7/;.' /' 2/3)' '+' /5'3*N' ('' 0-'&3' (7.' *90>
0.**' '+' 7 *' :/1.*' .' ,9(*' /*' 1907' *.-'9*3.**' 3('' (7.'
29*3.**' /*' +' (' /++.0(.)' (7.' ;.-4' .5*(.30.' '+' (7.' (/(.N'
*' /35 .(4' *' ';.-,'&.-3:' 3' *, (.' 7'&.;.-' '+' /66' 7 *'
0/-.' /3)' ,-'+9*'3' (7.-.' &.-.' 1/34' /00).3(*' /3)') *>
/,,' 3(1.3(*' '1.' '+' (7.' /3 1/6*' /-- ;.)' 7/6+')./)' +-'1'
(7.' 7/-)*7 ,*' '+' (7.-' 6'3:' %'9-3.4' /34' '+' (7.' *,6.3))'
,/3*7' 0'9-*.-*' 7/)' . (7.-' ,.-*7.)' 24' (7.' &/4' '-' &.-.'
7',.6.**64') */26.) M' 7.' 0-'0') 6.*' &'96)' 3'(' ./(' /3)' 7/)' ('
2.' 8 66.)' 7/-'( )-;.-*' /3)' ,6/4.-*' .5,.0(.)' +-'1' 0 64'
&.-.' 3' *, (.' '+' /66' *./-07.*' /6'3:' (7.' 0'/*(' 3'&7.-.' ('' 2.'
7./-)' '+N 7.' 1'*(' 0-9.6' 26'&' '+' /66' &/*' (7.' 6'**' '+' (7.'
/5'3' :6/) /('-*' &7' ').06 3 3:' ('' 1/8.' *,'-(' +'-' (7.' -/226.'
'+' '1.' *(-/3:6.)' '3.' /3'(7.-' 2.+'-.' (7.' 7'9-' '+' (7.-'
791 6 /('3' 3' (7.' /-.3/' /-- ;.) N'

7 *' *' (7.' 1'*(' 3(.-.*(3:' ,/**/:.' 3' (7.' 6+.' '+' 41>
1/079*' /*' -.;./6.)' 3' 7 *' 6.((.-*' 7.' &'-6)' 7,' 2.6'3:*' ('
&/*' (7.' *6/;.' '+' '6)' (-/) ('3' /3)' 0'3;.3('3/6(4' /3)' & (7'
/66' (*' *,6.3)'9-' 19*(' %$;.' *9++.-.)' +-'1' - ' 7.' :-./('
1/3<*')/4' %9*(' //' +' 4+$<*' (1.' &/*' +66.)' 24' /'-'93)' '+'
((; /6' *'0 /6' '2*.-;/30.*' &7 07' &.-.' /*' .3:-'** 3:' /3)' /*'
L'26:/('-4' /*' *.-'9*')9(.*<$ 7.' 0-'&)' '+' 1'-3 3:' 0/66.-*'
/3)').,.3)/3(*' 7/0 $*' 2.' -.0.;.)' /*' '+' '6)' 66' (7.'
/33;.-*/-.*' 3' (7.' +/16.*' '+' +-.3)*' 7/)' ('' 2.')964'
-.1.12.-.)' /3)' 7'3'9-.)' +' /' +-.3)' '2(/3.)' +-'1' (7.'
1,.-'-' (7.')*(30('3' '+' '3.' '+' (7.' '6)' -.,926 0/3' 1/: *>
(-/0.*' (' &/*' /3' 1,.-/(;.' *'0 /6')9(4' (''/((.3)' 7 *' 3/9:9

')5' ' <H B[' BW' U' GA' ' _B' ' ' á 1' ' B
__' ' U' GWA ' %#?' PD@D) ?@C' F) D' M)@' T@'
1' ' B N)LMQC' E?@@C' EDCL K@P' M PM'
' ' ' H' B[C?L D T')' /?ND' C)TC' Q QNRQD'
' 1' ' RQ E?N W' ?)' 3) K@C' DP DE DK)@ Q'
' 1' ' A))K)' LF D@ @N' O)D)' ODE C?RQ)' L '
?QN QC)' O?OQF?C)C' E')5' ' I' W

-/('3$ 7.* *.-; 0.' '+ (7.' /0-.)' '66.:.*' &/*' /3'(7.-* '0 /6' '26 :/('3N /6(7'9:7' 411/079*' 73(*' 2-'/)64' (7/(' *'1.' '+ 7 *' 0'66./:9.*' 3' (7.' ,'3(+0/6' 0'66.:.' &.-.' 306 3.)' ('+6/((.-' (7.' '9-(' 24' /2*.3(3:' (7.1*.6;.*'FN /3)' .;.3' 6/; /39*' /3)' -/.(.5(/(9*' &7'' &.-.' ,/:/3*' '+ (7.' ,/:/3*' *'1.(1.*' .5> 09*.)' (7.1*.6;.*' 24' /2*.30.' /(' (7.-' 0'93(-4' *./(*' '-' /(' *'1.' ,6./*9-.' -.*'-(' 3' /1,/3 / M' 3'3'(73:' &.-.' (7.').1/3)*' '+ .(C9.((.'1'-.' 1,.-'9*' (7/3' 3'6.((.-;--(3:' :/3'/3)' /:/3' 411/079*'-.0/66*' (7.'-96.' '+ Q' '6)+/*7'3.)' 1/33.-*R' (7/(' (7.'+-.3)' &7'' :'.*' +-'1' 7'1.' *7'96)' 2.' (7.' + -*(' ('' &-(. ' (' 1/((.-*' 3'(' &7.(7.-' 7.' 7/*' /34(73:' ('' */4' 3)..)' (' *' 7/-)' ('' *..' &74' /':-./(' 1/34' '+ (7.*.' 6.((.-*' *7'96)' 7/;.' 2..3' &-((.3' /(' /66' 7.4' /-.' /2'9(' /*' 3(.-.*(3:' /*' /';*(3:' 0/-)' /3)' *..1' (''7/;.' 7/)' 3'' 1'-.' *:3+0/30.' (7/3' /',' 6(.' /((.3('3' 7.' *(++3.**' '+ .(C9.((.' &7 07' &/*' 3(-')90.)' 3('' '++0/6' 6+.' 24' 'O6.(/3'/3)' &7 07' 3;/).)' (7.' 6.:/6' *(46.' '+ (7.' 1,.-/6' -.*0-,(*'-.:3*' 3' (7.' 0'--.> *,'3).30.' '+ (7.' ,.-')' .;.3' 2.(&..3' 3./-' -.6/('3*' 7.' 0'3*.-;/(*1' '+ 411/079*' 3)..)' -.;'6(*' /:/3*(' (7.' 3.&> +/3:6.)' 7/2(' '+ ,-.+5 3:'((6.*' ('' /'+-.3)<*' 3/1.' 3' /'+/1 6/-' 6.((.-N (66' 7*' '&3' *'3' *' Q/1/26(/*' (9/R $ /3)' 2*')/9:7(.-' Q')'1 3/'+6/R' 7/(' (7.-.' &.-.' &/-1' /++.0('3*' /3)' /'8 3)64' 93*.6+*7' 3/(9-.' 2.7 3)' /'(7*' /-(+0/6'*(++3.**' 3' (7.' 0/*.' '+ 411/079*' &.'*7/66' *..' /+(.-&/-)*' (7'7 1' /3)' 7*' 0/*(.' (7.' 7/2(' '+ *'0/6' '2*.-;/30.' 7'&.;.-' 0'1,6> 0/(.)' /3)' .3:-'** 3:' 7/)' 2.0'9(.' /' *.0'3)' 3/(9-.' & (7'9(' /6&/4*' +-..O 3:' (7.' *,-3:*' '+ 3/(9-/6' 8 3)6 3.** .(' (7.' 0'6)'):3 (4' '+ (7.' 6+.' 3' (7'*.' ,/6/0.*' '3' (7.' /.6 /3' /3)' ;.3(3.' & (7' (*' .3)6.**' 0/66*' ('' +-;'6'9*' *'0/6')9(.*' /3)' (*' 1'3'('34' '+ 29*4')6.3.**' 19*(' 7/;.' :-'&3' -8*'1.' /(' (1.*' B(' &/*' 3'(' ,.-7/,*' /6(':.(7.-' (7.' 0''63.**' '+ -/.3.*(.' (7.' :/4' /2/3)'3' '+ E/ /.'-' (7.' 2'/-793(3:' 3' (7.' &'')*' '+ /9-.3(91' (7/(' (.1,(.)' (7.' +/*7'3/26.' &'-6)' /&/4' +-'1' (7.' /((10('3*' '+ '1.' 411/079*' 6';.*' '1.

' TN')5' 'G[G

A 1' ' _' H

' 1' 'BG' @Q@L') C EDDCCD' /?N)@?C' PD@QC' DC')NK D@E

' 1' ' _' BG' ' BW' N M' QQN' NQ@QC' @YQ@P C' QD D'EDF L CL?O ?C C' 4[W N)@E)')'LQ)K NQC

' 1' 'B[

$ 1' 'W[')@D' DO C QF) QN' @?C') QN'C NOFDU'QCQC' @ D 'Q'U)PQ)' Q C'FD@?L @)')'D O)DCD@ C')@ D D)C' DED)NQC'RQ @'D P?')E' @ Q?) ?)'@?N' @QN' QF?C

' 1' 'B' 'B[' H[' ' ?' /Q L')5' 'B' _' G[' GG' GW

& (7' /66' (*' (9-296.30.' .;.3' 3' (1 .*' '+' *0/-0 (4' /3)' (9 1 96(' /3)' 7.' & 66' 6 3:.-' 3' /' *929-2/3' ; 66/'$ '3' (7.' 07/30.' '+' 2. 3:' *9 1 1 '3.)' (''' /' 1 ..(3:' '+'(7.' .3/(.F 29(' .;.3' 7.' +..6*' (7.' 3..)' '+' -.,'*.' /3)' .1/30 ,/('3' +-' 1'(7.' (4-/334' '+' *'0 .(4' (' '3.' '+' 7 *' 0'93(-4' 7'9*.*' 7.' *' /*' 7/,,4' /*' *907' /' *(/(.64' *.6+ 0'3(/ 3.)' 1/3' & 66' .;.-' *7'&' 7 1*.6+' 6''8 3:' /+(.-' (7.' 1/8 3:' '+' 7 *' ' 6' /3)' & 3.' 6/4 3:')'&3' /' +-.*7' 1'*/ 0' -.0. ; 3:' /' +- .3)' '-' (&'' '-')- 38 3:' 3' (7.' C9 .(' +-.*73.**' '+' (7.' /9-.3(3.'&'')*' (7/(' ';.-7/3:' (7.' *./N 7.-.' *' 3''(-/0.' 3' 7 *' 6.((.-*' (7/(' 3/(9-.' 7/*' +'-' 7 1N' /34' '+' (7.-' 1/3(0' 07/-1' &7 07' (' 7/)' +'-' 9*'3 9*' /3)' 9(6 9*' .' &/*' 3'(' 1907' '+' /' *,'-(*1/3' .;.3' 3' 7 *' 4'9(7' .'6';.)'(7.' 0'93(-4' +'-' (*' *(663.**' /3)' -.,'*.' +'-' (7.' -.6 .+' (' :/;.' +-'1' (7.' %/'3'('3'9*' *(-/ 3' '+' *'0 /6')9(4' &7 07' &/*')'9264' ',,-.** ;.' ('' 7 *' 8 3)' /3)' 0'3*0 .3('9*' 3/(9-.' 2';.' /66' (' :/;.' 7 1'6. *9-.'+'-' 0'3;.-*.' & (7' (7.' '6)' +/;'9- (.*' '+' 7 *' 6 2-/-4 1'3:'(7.' 2.*(' 1.3' '+' (7.',/:/3' '-' *.1 ,/:/3' /-*('0-/04' '+' (7/(' (1.'(7.',/** '3' +'-' 6 (.-/(9-.'' '-' .-9) ('3' &/*' /2*'-2 3:' (7' 1/34' '+' (7.1' (' (''8' (7.',6/0.' '+' 3(.-.*(' 3' ,926 0' /++/ -*' 7.' 0'1 ,/34' &7'1' /0-'2 9*' 2- 3:*' ('.(7.-' 3' 7 *' ', - , ,' &.-.' (7.' 6./).-*' '+' '1/3' *'0 .(4G -/.(.5(/(9*' 6/; /39*' (&'' 1.12.-*' '+' (7.' :-./(' 7'9*.' '+' (7.' 62 3' 4 1 1 /079*' 7 1*.6+' 7.4' /-.' %' 3.)' 24' '(7.-' :9.*(*' '+' 6'&.-' *'0 /6' -/38' 29(' .C9/6*' 3' (7.' 6 (.-/-4' 2-'(7.-7'')' 9*(/(7 9*' /' =-..8' ,-'+.**'-' '+' -7.('-0' /3)' .-; 9*' (7.' ,-30.' '+' '1/3' 0-(0*' -/.(.5(/(9*' (7.' /-07 7 .-',7/3(' 3 (/(.)' 3' /66' (7.' 096(*' '+' 4-/' /3)' :4,(' *' (7.' .5,'3.3(' '+' ,-.*(64' 6'-.' 6/; /39*' *' (7.' 1/*(.-' '+' (7/(' /9:9-/6' /-(' &7 07' 6.)' 7 1' ('' 7 *')''1' &7.3' 7.' .*,'9*.)' (7.' 0/9*.' '+' 9:.3 9*' /3)' ,/:/3 *1' /:/ 3*(' (7.' \`79-07' 7.' 62 3' .36/-:.' '3' (7.' /3(C9/- /3' .5/0(3.**' '+' -: 6 M' 7.-.' &/*' 3'' '- : 3/6 (4' 3' (7.' 6 (.-/-4' .3(79* /*1' '+' (7.*.' 1.3' (' &/*' /3' .3(79* /*1' &7 07' *,.3(' (*' +'-0.' 3' ,-.*.-; 3:' /3)' /,,-.0 /(3:' &7/(' (7.' /:.*' '+' 0-./('3' /3)' 3*, -/('3' 7/)' 6.+(' 2.7 3) N' -/.(.5(/(9*' 2.*).*' : ; 3:' 1907' /((.3('3' ('' (7.' .1.3)/('3

')5' ' < ' ' AG
' 1' ' AB ' ' AW' @Q@L' M D' @' ? L'
QC L) NQ ' D ' NQF N?E C')Q QN@) D'
ED Q NQ ' ' ' HG' ' ' G<' GH' ' '
(' 1' ' H')P ' RQ D D' EDFDL ? ' ' ' '
C)DYD' ?LQF?C' O)CL?' LQF Q)' ' L ' ,QC?@

2 ' = ' A[' G<<' GHI
' 1)L ?K' ' G ' G ' ' A ' G GI
' O@' MD')C DC')@E' FD) @DE F)K?Q C'
? ' M C ' L LFD' L ' 5D D ' " . ' 8 '
1 ' ')1 ' B, [' ' O' GW_' ' V)@'
/ 0 ' , '%,. 01' UU ' ,XX

6 (. - / - 4' /++.0(/('3' .' .;) .3(64' (''8' .3'-1'9*' , / 3*' & (7' (7.*.' 6.((.-*' .' 7/)' /*' 7.' 0'3+.**.*' 6 ((6.' ('' */4' 79(' 7.' */4*' (' 3' (7.' 1'*(' .6/2'-/(.' /3)' 3:.3 '9*'*(46.' '+' &7 07' 7.' *' 0/, /26.' .(' 7.' /, '6': *.*' 1'-.' (7/3' '30.' +'-' 7 *' , '; .-(4' '+' (/6.3(' /3)' ,7-/*.' /3)' 7.' *' :9 6(4' '+' (7.' / 19* 3:' +/6*.> 7'')' (7/(' 7 *' *(46.' *' 93*(9) .) $' '' '3.' '+' 7 *' 0'--.*, '3).3(*' 7.' /, , ./6*' (''8..,' (7.' 6.((.-' +'-' 7 *' '&3' -./) 3:' 4.(' 3' (7.' */1.' 6.((.-' 7.' /)1 (*' (7/(' 7 *' 6 2-/- R' Q , .-' .5/1 3 *' :3'-/3(/1 R' /-.', -.*.-; 3:'0', .*' '+' &7/(' 7.' &-(.* N' .-7/, *' 7'&.; .-' (7 *' &/*' 3'(' /66' ; /3 (4' /3)' /++.0(/('3' (' *', '** 26.' (''7/; .' /' 1').*(' 0'30., ('3' '+' '3.<*' 3/(; .' (/6.3(' /6'3:' & (7' (7.' /12 ('3' (7/(' (7.' +-9 (*' '+' .6/2'-/(.' 0/-.' /3)' 096(; /> ('3' *7'96)' *9-; ; .' 7.' (-9.' '1/3' &7''-.; .-.30.)' (7.' :-./(' 1.1'-.*' '+' (7.' , /*(' 7/)' /' , /** '3/(.' (7'9:7' '+(.3' /' +9(6.').* -.' (''6 ; .' 3' (7.' 1.1'-4' '+' 0'1 3:' /:.*

7.' 6 (.-/-4' 0'3; .-*/('3*' 3' &7 07' *'1.' '+' (7.' 3(1/(.' +-.3)*' '+' 411/079*' (/8.', /-(' 3' (7.' ', - , ,' '+' /0-'2 9*' /6(7'9:7' (7.' 1/((.-' *' '+(.3' 2'--'&.)' +-'1' = .66 9*' /3)' ./-6 .-' &-(.-*T' N, -'2/264' : ; .' /' +/ -64' 0'--.0(').' /' '+' (7.' 6 (.-/-4' ('3.' /3)' 3(.-.*(*' '+' (7/(' 0 -06.' 7.' *92%.0(' & 66' 2.') ./6(' & (7' /(' 6.3:(7' 3' /3'(7.-' 07/, (.-' '-' (7.' , -.*.3(' (' *' *9++ 0 .3(' ('' */4' (7/(' (7.' 6 (.-/-4' 0- (0 *1' 3' /0-'2 9*' *' +/-' +-'1' 0'3> (.1, (26.' 7.' 1 39(.' /3(C9/- /3*1' 3) ..)' 1/4' *.. 1' (''9*' *'1.(1.*' -/(7.-' (- +6 3:' E9(' (''/' '1/3'6 8.' -/.(.5' (/(9*' &7''&/*' *(' 6'4/6(' (''(7.'+/ (7' '+' 7 *' /30.*('-*' /3)' (''(7.' , /*(' .; .-4' *0-/, ' '+' (7.' /30 .3(' 6'-.' '+' 7 *' -/0.' &/*' , -.0 '9*' 3)' 3' (7.' 1 39(.' /3)' '+(.3').6 0/(.' /, , -.0 /('3' 3'(' '364' '+' (7.' 6./-3 3:' 29(' '+' (7.' 6 (.-/-4' 2./9(.*' '+' -: 6' &.' /-.' 0'1, .66.)' (''+'-: ; .' /3)' /61'*(' ('' +'-: .(' (7.' 26 3)3.**' /3)' , .-; .-* (4' '+' /' :.3.-/('3' &7''/)1 -.)' (7.' :-./(' 1/*(.-*' /3)' 4.(' &-'(.' 3' /' *(46.' &7 07' (7.4' &'96)' 7/; .' (7'9:7(' 9((.-64' 2/-2/-'9*' 3)' (' 19*(' 2.' 0'3+.**.)' (7/(' (7.-.' *' 1907' (''+'-: ; .' C9 , , .)' 24' (7.' *(9)4' '+' (7.' :-./(' 1/*(.-, .0.*' /3)' (7.' 1'*(' .6/2'-/(.' (-/ 3 3:' (7.4' 4.(' 0/1.' (''&-(.' /' *(46.' &7 07' *' 3' 1/34' 0/*.*' /' 1 5(9-.' '+' 1 (/('3' /++.0(/('3' /3)' 2/-2/-*1' 3:.39 (4' (''8' (7.' ,6/0.' '+' '-: 3/6 (4

')5' ' G' ' ' A_' CQN' RQ EDN' O)QOD' F?RQD@E
' 1' ' H<' RQ) D' DF N' K' M)X KD)C' RQ)D' @L?P))' O ?D NQC' ' M C')E LD' ?' M C' C?@' ?' LQF) D') LD) @'@DPF PD@LD' ? 'C TFD' @' M C' FD D C')' O DLDO' #M LM' TNN)LMQC' E E' @? ' D@ ? ?D KT' DU) NOFD' ' I
' 5D D ' ". . ' 8 3 ' ' O' G W

.5(-/;/:/30.' /3)' .5/::.-/('3' '+'-./6' +'-0.' (46.' 3' +/0(' 2.0/1.' /' 1.-.' Q%/-:'3' '+' .5,.-(*R' 3)' (7.' 3(/(.)' I&.-.' 3.;.-' &./-4' '+' .507/3:3:' (7.' 1'*(' +96*'1.' +6/((.-4' 3' /' 6.((.-' ('' 7*' +-.3)' 9*'39*' /2'9(' 7*',.1''3' (7.' '*.66.' 411/079*' &76.' 7.' :.3(64' -) 096.*' (7.' 1 39(.').*0-,('3' '+' (7.' *7.*' '+' (7/(' -;.-'4.(' 7/*' 3'' 7.*(/('3' 3' -/38 3:' 7*' +-.3)' & (7' -:6$' 7.',.'(' -.(9-3.)' (7.' 0'1,6 1.3(' 24' /((-29(3:' ('' (7.' '-/('-4' '+' 411/079*' /66' (7.' +'-0.' /3)' :-/0.*' '+' (7.' '-/('-4' '+' *'0-/(.*' .1'*(7.3.*' /3)' 0.-'N' 3' (7.' 4./-' ? "' /' =-..8'-7.('-0/3'3/1.)' /66/)9*'/--;.)' 3' '1.N' 7.' +/*7'3/26.' /3)' 096(;/(.)' &'-6)' &.-.' 0/--.)' /&/4' 24' 7*').O6/1/('3'Q'7*' &./6(7'' '+' 3;.3('3'7*') :3(4' /3)' 2-66/30.' '+') 0('3R' +' &.' /-.' 3063.)' ('').*,*.'*907' 93-./6')*,6/4*' /3)' *907' .5(-/;/:/3(' .96':4' (' *' &.66' ('' -.1.12.-'(7/(' /)1-/('3'+'-' 1.3(/6',' &.-'.;.3' &7.3' 1 *> /,,6.)' *' 2.((.-' (7/3' /' 76*(3.'0'3(.1,(' +'-' (7 3:*' '+' (7.' 1 3)' 7.' /-*('0-/(0' O6/**' 3' (7.' 6/*(' /:.'' '+' (7.' .*(.-3' 1,-.'7/)' 1/34' +/96(*'29(' (7.4' (-./(.)' (/6.3(' /3)' 096(9-.' /*' /(' 6./*(' (7.' .C9/6*' '+' &./6(7' /3)' -/38F' /3)' (7.-.' 7/*' *.6)' 1' 2..3' /3' /:.' &7.3' (/6.3(' /3)' 096(9-.' -.0.;.)' 7 :7.-' -.&/-)*' 411/079*' -.0'11.3).)' (7.' 2-66/3(' -7.('-' (' (7.' 3'(0.' '+' 9*'39*' &7'' &/*' (7.3' -.('-/3' ,-.+.0(' /66/)9*' &/*' -./)64' .3-'66.)' 3' (7.' -/38*' '+' (7.' 1,.-/6' *.-;0.' /3)' & (73' (7-..' '-' +'9-'4./-*' 7/)' -*.3' (' (7.' :-./(',6/0.' '+' 1/*(.-' '+' (7.' '++0.*M' 3' (7.' */1.' 4./-*' /-3/39*' /3'(7.-' 6(.-/-4' +-.3)' '+' 411/079*' &7''&/*' /',-'+.**'-' '+' 6/&' -'*.' (' (7.') :3(4' '+' ;0/-' '+' (7.' ,/3*7',-';30.N' 7.',.'(' 9*'39*' *' (7.' 1'*(' 2-66/3(' .5/1,6.' 3' (7/(' /:.' '+' (7.' -.0':3('3' '+' 6(.-/-4' .13.30.' 24' (7.' (/(.' ('7/*'2..3'*/)' & (7' *'1.' (-9(7' (7/(' (7.' -.:3' '+' =-/(/3' &/*' C9(.' /*' 1907' (7.' -.:3' '+' 9*'39*' -:3/664' /'7912 6.' :-/11/-/3' 3' (7.' *07''6' '+' E'-)./95' 7.' &/*' /,,' 3(.)' 24' /6.3(3/3' 7*' *'3<*' (9('-' 9*'39*',''**.**.)' (7.' :+(*' &707' &.-.' (7.3' (7.' 1'*(' /)1-.)' 3+63 (' +/06 (4' (7.',' &.-' '+' :;3:3';.6(4' /3)' 1>,'-(/30.' (' (-+6.*' 24' 3:.3'9*' (-08*' '+',7-/*.' (7.' /-(' '+' +6/(

G' 'G' DP?'M?L' QQN' L) ND@' L?@C Q ?@' ?' WHW' C')EE DCCDE' b F K C' 1) ?@ C')EYQ@P?' * ' U' G' G "' &D' C')FC?' O ?K)KFT A' ,QC?@')5' U' MD' \ L) QC^' D D DE' ?' @' OQFO ' TN' ' G<' U' G' ? ' DDLS' LL ' D ' (O ' ' I' W')C' KD @P' O D D DE ' (' * ' 'A_' ' bWHA"' KT' MD' 5 C? FF)@ C' MD D LC' ?' J DP? T ' TN')5' ' AW AI' 1) @)@QC' MD' O D DL ' &D@LD' ' M)C' KDD@' L?@ C' MD' P? D @? ' ?' M?N' J))@C' DFQEDE' M) ' 1) @)@QC' #)C')' O)P)@

(.- 3:' & (7' 6 (.-/-4' :-/0.' 7.' 4'93:' 1 , .-'-'-., /)' (7.' 0/-.' /3)' -.0':3 *.)' (7.' (/6.3(*' '+' 7 *' (./07.-' 24' -/ * 3:' 7 1' ('' (7.' C9/.*('-*7 , $' (7.' ,-.+.0(9-.' '+' (7.' =/96*' /3)' 3' ? #' ('' (7.' 669*(- '9*') :3 (4' '+' (7.' 0'3*96*7 ,' /*' (7.' 0'66./:9.' '+' 642- 9*' /' *0 '3' '+' '3.' '+' (7.' ,-'9).*(' 7'9*.*' 3' (7.' ' 1 /3' /- *('0-/04' 7.' -.6/(;.*' /3)' +- .3)*' '+' 9*'3 9*' *7/-.)' 3' 7 *' /);/30.> 1.3(' '-' (&'' '-' (7-..' 4./-*' 3./-64' /66' (7.' :-./(' ,-.+.0(9-.*' /3)' :';.-3'-*7 ,*' &.-.' 7.6)' 24' 1.12.-*' '+' (7.' ,'.(<*' +/1 64 N' .' 7/*' /6*'' 6.+(' 1/-8*' '+' 69*' /*0.3).304' '3' (7.' ').' 9*'> 3 9*' /(' (7.' 7. :7(' '+' 7 *' ,'&.-'/3)' 7 *' -.3'&3'&/*' +/ (7+96' ('' (7.' *4*(.1' '+' 096(9-.' &7 07' 7/)' 1'96).)' 7 1' 3)' (7.' +/1'9*' -.*0- ,(' '+' ? @ N' &7 07' ,-';).*' +'-' (7.' ,/41.3(' '+' +5.)' *(,.3)*' (''(7.' (./07.-*' '+' :-/11/-' /3)' -7.('-0' &/*' 93)'92(.)64' *9::.*(.)' 24' (7.' '6)' ,-'+.**'-' '+' E'-)./95' 7.-.' *' 6((6.' 3' (7.' 6(.-/-4' ,-')90('3*' '+' (7/(' /:.' &7 07' /' 1').-3' -./).-' 0/3' /)1 -.' /3)' (7.4' /-.' '364' (7.' &-.08/:.' '+' /' :-./(' 1/**' '+' ,-'2/264' .;.3' 6.**' 1.- (' .(' (7.' 6(.-/-4' 2-'(7.-7'')' '+' &7 07' 411/079*' /3)' 9*'3 9*' &.-.' 6./).-*'))' /' *.-; 0.' (''791/3 (4' 24' (7.-' &'-*7 ,' '+' /3')./6' &7 07' (7.-' '&3' ,-')90('3*' *.6)'1' /,,-'/07

+' (7.' 6.((.-*' '+' 411/079*' /-.' (''2.' (/8.3' /*' /' +/ -' ,0(9-.' '+' (7.' 1'-/6' ('3.' '+' 7 *' 06/**' &.' /-.' 2'93)' & (7' *'1.' -.*.-;/('3*' (''+'-1' /' +/-' 1'-.' +/;'9-/26.' ', 3'3' '+' (7.' *(/(.' '+' '1/3' *'0.(4' (7/3' (7/(' &7 07' *' *9::.*(.)' 24' 'B.-'1.' '-' 11/39*' /-0.66 39*' 7.-.' /-.' (' *' (-9.' :6 1,*.*' 3' 411/079*' '+' (7.' '6)' E'1/3'0-9.6(4' '+' 0'3(.1,(' +'-' *6/;.*' /3)' (7.' 0'11'3',.',6. $' '+' *.6+ *73.**' /3)' 6/08' '+' ,926 0'*, -(' 7.' /5'3*' &7'1' 411/079*' 7/)' 2-'9:7(' /(':-./(' .5,.3*.' +-'1' (7.' +/-' 3'-(7' +'-' 7 *' :6/) /('- /6' *7'&*'8 6.)' '3.' /3'(7.-' '-'0'11 ((.)' *90).' 2.+'-.' (7.-)/4' '+' 0'12/(' 3' (7.' /-.3/' /-- ;.) N' 3)' (7.' 9*9/664' 83) 7./-(.)' 411/079*' 3/--/(.*' (7.' (-/:.)4' & (7' /' +.&' &'-)*' '+' 2 ((.-' 0'3(.1,(' .' /3)' 7 *' +- .3)*' +'9:7(' 7/-)' ('' /;')' (7.' 6.;4' '+' -.0-9 (*' +-'1' (7.-

' ,QC?@' " , ' . '5 0' (0 ' 'GG' D')?' O) D' O @L O KQC' RQ)DC Q)' L?NX NQ@ C' D' Q')@ QN' O QD DL Q)' KD@D' L ' D L' ' ?' LMD@S ' 5 ??DN ' U
$ DDLS C' '2 ' UU U' ' LMD@SF' U
' "' * ' U ' W' GG' %MD' F)#' C')EE DCCDE' ?' ,@ ?@ @C' #M LM' L)F PD' M?QPM ')' N C)SD' ?' ,QC?@ QC' J?ED ?T' @' M C' ?NND@) T' D Q DC

M C' L?@YDL Q D' ,@ ?@ @C' #)C')' L? DX CO?@ED@' ?' TNN)LMQC')5' ' HI IW' ' DDLS C' '2 ' L U

' '2 ')5' ' H' Q DC' CD C')N F') C' NO ?K)C' 7Q' M C' LD@CQ D' #)C' O ?K)KFT' EDCD DE' ' L ')F ' ' (1' 4 ' 'e' AB' L' B' & D ?@')5' F ' TN' 1' ' B

.*(/(.* /((7. 0- * * '+ (7. = 6)'7 0<&/- /3) /0(9/664 *900..).
3 /--/3: 3: +'- / 0'1,'*('3 3 1'3.4 7.4 /6* *7'&.)
&7/(*..1* /3 93&'-(74 (1) (4 3 (7. -'(* 0/9*.) 24 (7.
+/ 69-. '+ (7. 0'-, *9,,6.* +-'1 +- 0/ 7.4 -.1';.) (7. -
+/1 6.* (' (7. 0'93(-4 /3) 411/079* 7/* /66L,-.,/-/('3*
1/). +'- *.3) 3: 7* '&3 07 6)-.3 /&/4N 7. */1. *.6+ *7
&./83.** * -.;./6.) / +.& 4./-* /+(.-&/-)* 3 (7. +6 :7('+ (7.
&./6(74 06/**.* &7.3 (7. (-'',* '+ 6/- 0 &.-. 06'* 3: -'93)
(7. 0 (4N 7.-. * 1907 ('''(7/(* -.;'6(3: '- 0'3(.1,(26.
3 (7. 0'3)90('+,926 0 1.3 -.;./6.) 3 (7. 07-'3 06. '+ (7'*.
+/(/6 4./-* 7. 0-9.6(4 /3) :-.. '+ .-/06 /3 3 7 * (-./(>
1.3('+(7. -.+9:..* &7''6/3). 3 7 *,-';30. '+ +- 0/ &'96)
2. /61'*(30-.) 26. + &. 7/) 3'((7. .5,-.** (.*(1'34 '+
B.-'1.$ 7. ,/-(4 6.) 24 641, 9* &7' 0/-- .) '9((7.
/(7'6 0 -./0('3 /:/ 3*((7. ,'6 04 '+ (6 07' *..1 (' 7/;.
2..3 /('30. 0-9.6 30'1,.(.3(+/ (76.** /3) 0'--9,(' (*
)+ 096((''*/4 &7.(7.- 26 3)3.**'- ,.-+)4 * 1'-. 0'3*, 09'9*
3 (7.)./6 3:* '+ (7. '1/3 :';.-31.3(& (7 6/- 0
'3'- 9* * ,-'2/264 -.*,'3* 26. +'- *'1. '+ (7 * 2/*.3.**
/3) *(9,) (4 E9((7. :-./('++ 0 /6* &7''6.3((7.1*.6;.*
(''*907 / ,'6 04 +(7.4))3'(,-'1,(('0/33'(2./0C9((.)
7. ='(7 0 8 3: &/* /* 1907 *9,.-'- (''7 * ',,'3.3(* 3
* 30.-(4 /3) 3* :7(/* 7. &/* 3 1/(.-/6 +'-0.

.((7.*. ;0.* /3) &./83.**.* 3 (7. '++ 0 /6 06/** *7'96)
3'(1/8. 9* 93%9*(('' (7/(*'0.(4 /* / &7'6. /6; /39*
/4 (7/(7 * :.3.-/('3 +6/((.-.) (*.6+ '3 (7. ,9-(4 '+ (*
1'-/6* N 7. :9.*(* 3 (7. ',- , , '+ /0-'2 9* 06/ 1
(7/((7.- *'0.(4 * +-.. ?N 1/34? (7. :-'**.- +'-1* '+
6959-4 /3)) **,/('3 &7 07 ,-.;/6.) /1'3:(7.- /30.*('-* N
7. - '+ (7. ,'3(++<* 2/3C9.(/(&7 07 .3(969*
.,)9* B /.*/- /3) (7. .*(/6 -: 3* &.-. ,-.*.3(*
(-./(.) /*) *:-/0.+96 3 (* 0'*(64 /3) +/3(/*(0 ;/-.(4
./0'08* .::* /-. 3'(3'&.;.3 3 (7. 1/-8.(N 7.-. /-. 3''
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')5' T 'B
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6)' '"( )+'"/' '+%% (6 '

/*' /' 1/3' .;.3' /*' /' +-.3)$' (' *' +/-' 2.((.-' (7/(' 7.' *7'96)' 6';.' (7/3' (7/(' 7.' *7'96)'+./-'4'9' 3)' 7'&' '+(.3'7/;.' (7.*.').*, *.)' &-.(07.*' *7'&3' (7.' 3'26.*(').;'('3' ('' (7. -' 1/*(.-*' 3' *, (.' '+' / ' (7.' 0-9.6(4' /3)' 0'3(.1,(' & (7' &7 07' (7.4' 7/;.' 2..3' (-./(.)'H$ ' *6/;.'7/*' 2..3' 83'&3' ('' ,.-*'3/(.' 7*' 1/*(.-' &7'' &/*' 3' 7) 3:' /3)' ('' *921 (' ('' (7.' *(-'8.' '+' (7.' .5.09('3.-' 3' 7 *',6/0.N' 7.' *6/;. : -6*' '+' '1.' '30.' */;.)' (7.' 7'3'9-' '+' (7. -' 1 *(-.**.*' /(' (7.' ,.-6' '+' (7. -' '&3' /3)' &.-.'0'11.1'-/(.)'+'-'.;.-' 3'(7.' &0 ,' (,50 , ' (' *' C9 (.' (-9.' '+'0'9-*.' (7/(' (7.*.')./*' /-.' 3'(' ,.096/-' ('' (7.' +'9-(7' '-' (7.' + +(7' 0.3(9-4' 7.4' 0/3' 2.' (-/0.)' 2/08' 3' *'1.' +'-1' ('' .3.0/' ('' 6/(' (' 9-,).*N' E9(' (7.4' /-.' .5> ,-.**.)' & (7' /' * 30.- (4' /3)' :'')' +..6 3:' 3' /0-'2 9*' &7 07' 6./;.' (7.' 1,-.** '3' (7/(' (7.4' /-.' (7.' 0'3;0('3*' '+' (7.' 2.*(' /3)' 1'*(' (7'9:7(+96' 1.3' '+'7 *' (1.

7.-.' *' 3'(7 3:' 2- :7(.-' /3)' ,6./*/3(.-' 3' (7.' .((.-*' '+' 41 1/079*' (7/3' (7.' (.3).-3.**' '+'7 *' +/1 64' /++.0('3*' (' *' (-9.' (7/(' & (7' 7 *' 3:-/3.)' 0'3*.-;/(*1' 7.' 06 3:*' ('' (7.' '6)' '1/3')./' '+' (7.' &'1/364' 07/-/0(.-' 7.' '1/3' 1/(-'3' +-'1' (7.' ./-6.*(' (1.*' 7/)' *.09-.)' ('' 7.-' 24' +/1 64' -.6:'3' /') :3+.)' /3)' -.*,.0(.)' ,'*('3' 7.' &/*' ('' *'1.' .5(.3(' (7.' .C9/6' '+' 7.-' 79*2/3)' 3' (7.' 1/3/:.1.3(' '+' (7.' 7'9*.7'6)' E9(' (7.' *.3(1.3(' '+' /30.3(' '1.' +'-2/).' 7.-' (7.' 6:7(.-' :-/0.*' /3)' /00'1,6*71.3(*' ' 7.' &/*' .5,.0(.)' ('' 2.' :-/;.' *.6+0'3(/3.)' 07.+64' 0'30.-3.)' & (7' 7'9*.7'6)')9(.*' /3)' (7.' 39-(9-.' '+' /' *(9-)4' /3)' 3(-.,)' -/0.' 3' (7.' ./-64' 4./-*' '+' (7.' 1, -.' (7.').'6' '+' &'1/3<*' ,'*('3' /3)' 07/-/0(.-' 93).-&.3(' /' ,-'+'93)' 07/3:.' 7.' 07/3:.' :/;.'-*.' ('' 1/34' 1*93).-*(/3) 3:*' &7 07' &.-.' (7.' +'')' '+' */(-.' E9(' 7.-' *(/(9*' 2'(7' 3' 6/&'/3)' 3' +/0(' -./664' -'*.' 7.-.' 0/3' 2.' 3'')'92(' (7/(' (7.' '1/3' 6/)4' '+' (7.' 2.((.-*'-(' & (7'9(' 2.0'1 3:' 6.**; -(9'9*' /3)' -.*,.0(.)' 2.0*93.' +/-' 1'-.' /00'1,6*7.)' /3)' /((-/0(;.' (7' +. +.-' -.*(-/3(*' *7.' 7/)' :-./(.-' 07/-1' /3)' 3+69.30.' 7.' 2.0/1.' 1'-.' /3)' 1'-.' (7.' .C9/6' /3)' 0'1,/3 '3' '+' 66.-' 79*2/3)' /3)' 7.-' 3+69.30.' '3',926 0' /++/ -*' 2.0/1.' 1'-.').0).)' 7.' & +.' '+' (7.' 4' 1:.-' 6 34 N

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(/8.' /' (4, 0/6' 3*(/30.' *' (7.' ,/-(3.-' 3' 7 *' *(9) .*' *7.' 83'&*' 7 *' 2''8*' 24' 7./-(' *7.' *7/-.*' /66' 7 *' (7'9:7(*' 3' (7.' 6/*(' /:.' '+' (7.' .*(.-3' 1, -.' (7.-.' *' 3'')).(.- '-/('3' 3' (7.', '* ('3' /3)' 3+69.30.' '+' &'1.3' 3' 7- *(/3'+/1 6 .*' (7.4' 096(;/(.' */0-.)' 6./-3 3:' /3)' (/8.' (7.' 6./)' 3' &'-8*' '+' 07/- (4' /3)' 1.-04' 9- '6/'+'93).)' /' 7'*, (/6$' /.(/' (7.' &)'&' '+' =-/(/3' +.)' (7.' *(/-; 3:' , ', 96/0.' '+' (7.' /, ('6')9- 3:' (*' * .:.' 24' (7.' +'-0.*' '+' 6/-0 N' .-.3/' (7.' & +.' '+' (6 07'' &/*' /3' /00'1,6 *7.)' *07'6/-' /3)' &/*' -.:/-).)' 2'(7' 24' +-.3)*' /3)' .3.1 .*' /*' /'*.- '9*'+'-0.' 3', '6 (0* N' 6/0) /' (7.' 1'(7.-' '+' (7.' 4'93:.-' 7.')'* 9*' /+(.-' /66' 7.-' ; 0 ** (9).*' /*' (7.' & +.' '+' /' ='(7 0' 07 .+' ,-'2/264' & .6).)' :-./(.-' 3+69.30.' 3' 7.-' *'3<*' 0'930 6*' (7/3' /34' *(/(.*1/3' '+' (7.' (1.' 3' (7.' ,/:/3' *).' -/.(.5(/(9*' 7/*' 6.+(' /3' .(.-3/6' 1.1'- /6' '+' /3').(6' &.)).)' 93 '3' 3' &7 07' (7.' & +.' : ;.*' 3'(' '364' 6';.' 29(' 3(.66.0(9/6' *9, , '-(' /3)' *41, /(74' (''7.-' 79*2/3) M

7.''6) +/*7 '3.)' 411/079*' &'96)' , -'2/264' 7/;.''2%.0(.)' (''7 *' +.1/6.' -.6/(;.*' (/8 3:' /', -'1 3.3(', /-(' 3' /34', 926 0' 1';.1.3(' .' *('9(64' -.* *(.)' (7.', -', '*/6' '+' (7.' ;.*(/6*' (''-/*.' /' 1'391.3(' (''7 *' 2'*'1 +-.3)' -/.(.5(/(9* N' .' ,-/*.*' 7 *')/9:7(.-' &7.3' *7.' *.3)*' 7 1' /', -.*.3(' '+' &''6> &'-8' +'-' 7.-' 6 8.3.**' ('(7.' '1/3' 1/(-'3' '+' (7.' :-./(' /:.' &7''*/(' /1'3:' 7.-' 1/)*') -.0(3:' (7.1' /(' (7.*, 3)6.' '-' (7.' 6''1 N' E9(' 411/079*' +'-' / ' (7/(' *' (7.1'*(' /++.0('3/(.' '+' +/(7.-*' .' 3.;.-' +'-:.(*' /' 2-(7)/4 $' *')/9:7(.-<*' 663.**' : ;.*' 7 1' (7.' 1'*(' /09(.' /35.(4' /1)' /66' 7 *' , 926 0' /35.(.*' .' *.3)*' 7.-' /); 0.' +'-' (7.' 0/-.' '+' 7.-' 7./6(7 N' 7.' 39-*.-4' (-'926.*' '+' 7 *' 6((6.' :-/3))/9:7(.-' '009, 4' /' :'')' 1/34' '+' 7 *' 6.((.-* N' E9(' 7 *' *'6 0 (9).' /3)' /++.0('3' +'-' 7 *' *'3' /-.' .;.3' 1'-.' 1/-8.)' 7.3' (7.' 2'4<*' + -*(' (9('-').*' 411/079*' (/8.*' .3)6.**c, /3*' (''2(/3' '3.' '+' .C9/6' 1.-(' +' , '** 26.' /' 1/3' &7''7/)' 2..3' (-/3.)' 3' (7.' =/66 0

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' & D ?@') 5' __' e' B

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' F)QE)@' 8, -' ' , ' G _' AA I' f?C' ' HH' 5' 0M9' =?'WD' ' @ 5 95, 5' 3' 2 50! ,' 0 ,' ? C' Y)O' EO?Q' ' :' SB -' 2,20" ,5

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DNDC' OQED C' L)C) FC' @LQFQN')N? RQD' OQ QC' D ' EDC??DF?' C))') L)@)' ND@ C' LQF' DL QC)' L DE E' @N@QZ' ED? QN' RQ' N)) DN' ? QN' @DL Q@')) L C D' OQE L C' @DU "QC' O D) D' @N C' L?@YQP)F' P)) @DUQ')? ? C', F)D' @?ED) ' D L

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07' '6' '+' -7.('- 0$' .' *.(*' 7 1 *.6+' ('' -92' 9 ,' 7 *' ' &3' =- . . 8' 3' '-) . -' (' 7 . 6 ,' 7 *' * '3' 3' 7 *' - . /) 3 : / 3) ' 7 .' - .690(/3(64') .06 3 . *' /3' 3 ; (/('3' (' (7 .' 3/9:9-/6' 0 . - . 1 '34' '+' /' +- .3)<*' 0'3*96*7 , ' (7/(' (7 .' 2'4<*' *(9) . *' 1 /4' 3 '(' 2 .' 3(. --9 ,(.) N' 7 . 3' 7 .' *' '3' /' 1 ** '3' +-' 1' (7 .' . 3/(. ' (' (7 .' '9-(' /(' 6/3 M' /(' /' (1 .' &7 . 3' (7 .' ='(7*' &. -.' -/ ; /: 3:' */6, 3 .' =/96' 4 1 1 /079*' 3 . ; . -' +/ 6*' '3' . ; . -4' ' , , '-(93 (4' (' ' &- (. ' (' ' 7 *' *' '3' /(' '1 . N' 7 . -.' *' /' , /(7 . (0' 3(. -. *(' /2' 9(' '3 .' '+' (7 . *. '6 . ((. -* N' &7 07' &/*' , -' 2/264' &- ((. 3' &7 . 3' 4 1 1 /079*' &/*' (-4 3 :' 24' /') . ; '9*' -' 9(. ' (' ' -. /07' 6/3' & (7 '9(' . 30'93(. - 3:' (7 .' 2/-2/- /3' 0/ ; /6-4 $' .' &/*' 3' 2/)' 7 . /6(7 N' /3)' . 3:/ :.)' ' 3' /' , . - 6'9*' /3)' /35 '9*' 1 ** '3' 7 .' 6. ((. -' 0'3(/ 3*' 3 '(' /' * 3:6 .' -.+. -.30 .' (' ' , 926 0' '-' , - ; /(. ' /++/ -*' 29(' /) ; *. *' (7 .' 2' 4' (' ' 0' - - .0(' /' (' '' *' 6. 1 3' *. 3(. 3('9*3 . **' 3' 7 *' . , *(' 6/-4' *(46. ' 24' , 9((3:' 3(' ' (' 1 '-.' 6 +.' /3)' :-/0.+96' 3 . :6 :. 30. ' 7 .' &- (. -') .)' *' ' 3' /+(. -&/-)* N' /3)' /61 ' *(' 7 *' 6/*(' & *7' +' -' 7 *' *' 3' &/*' (7/(' 7 .' 1 :7(' 2 .' - 0764' . 3)' &.)' & (7' (7/(' 6 (. -/-4' 096(9-. ' &7 07' &/*' (7 .' *(-' 3 :. *(' , /** '3' '+' 4 1 1 /079*

4 1 1 /079*' 1 /4' 3 '(' 2 .' /' ; . -4' 3(. -. *(3:' 07/-/0(. -' /3)' 7 *' 6. ((. -*' /-.' 0. -(/ 364') 966' -. /) 3:' . (' (7. -' , '6 *7.)' 2-. ; (4' /3)' (7. -' ('3 .' '+' 0'3 ; . 3('3/6' . (C9. ((. ' /-.' /, (' (' ' 1/8 .' 9*' 93%9*(' (' ' (7 .' &- (. -' .)) .)' (' ' /' , /*(' &7 07' &/*' : '3 .' +' -' . ; . -' /2*' -2 .)' 3' (7 .' 0'6)' /3)' *(/(. 64' 6 +.' '+' /' O6/**' &7 07' &/*')' ' 1 .)' (' ' , ' (0/6' 1 , '(. 30. *(-9 : :6 3:' (' ' :3'-.' (7 .' * :3 + 0/30 .' '+' /' -. 6 : '9*' -. ; '69('3' &7 07' &/*' /6-. /) 4' (- 91 , 7/3(' 2 .+' -.' 7 *') . /(7' 7 .' 1 /4' / , , . /-' (' ' /' 0/-. 6 .**' -. /) . -' /' 1 . -.' +' ** 6' /' *7/) '&4' /3)' 1 , '(. 3(' -. , -. *. 3(/(; .' '+' /3' .++. (. ' '-) . -' . (' (7 .' 1 /3<*' ; . -4' +/ (7+963 . **' (' ' (7/(' '-) . -' : ; . *' 7 1' /' , /(7 . (0' 3(. -. *(' 3)' (7 *' +/ (7+963 . **' /3)' (7/(' '+' (7 .' *07' '6' (' ' &7 07' 7 .' 2 .6' 3 : .)' *' (7 .' * : 3' '+' /' 0 . -(/ 3' *(-. 3:(7' /3)' . 6. ; /('3' '+' 07/-/0(. -' '' +/-' /*' (7 .' 1 , . - /6') . *, '(*1' , . -

')5' 'W ' TNN)LMQC' M)E' M NX CDF')' J)FF L' Q ? ' ' ? ' TN')5' U' HH ' 1' ' A[' DOQD)CL? D' D@ N' @?C' YQKD ' O D)C' ' E?@ QC' D)E @P' 1D@)@ED '# M' M C' C?@' N)5' 'GA" ')@E' MD')E LD')EE DCCDE' ?' K C' P)@EC?@' KT' , QC?@ QC' 2 '

(' 1' ' <
' 1' ' GW' L ' ' I IB
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$ 1' ' IB' TNN)LMQC' #)C' ? X Q DE' # M' P?Q ')@E' D@)F' E CD)CD' b ' ' GB ' ' _W" ' D@QN' E?F? D' E C ' L Q? ?

$ DDLS C' '2 ' UU ' 5D D ' b ' WG" OQ C' M C' ED) M')K?Q ' [' ' L)@@? ' Q@ED C)@E' %DQ DF C' L)FLQF) ?@C' @' e' GH' @' W' &?#' L?QFE' TNN)LMQC' M) D' KDD@' ? DL ?' 3QL)Q)D' @' WB< ' MD' #)C' K? @' @' WB[Y ' DDLS ' UF

1 ((.)' 7 1 ' 7.'))' 7 *')9(4' (' (7.' (/(.' .' &/*' (7.' 1 '*(' 6'4/6' /3)' 7.6,+96' +- .3)' /6&/4*' -./)4' & (7' 3+69.30.' '-' /); 0.' /3)' /6&/4*' 1 3)+96' (' Q'8..,' 7 *' +- .3)*7 ,*' 3' -.,/ -R' *' +- .3)*' &.-.' /1'3:' (7.' 6./).-*' '+' '1/3' *'0 .(4' 7- *(/3' '-' ,/:/3' :';.-3'-*' '+' :-./(' ,-'; 30.*' 2/-2/- /3' :.3.-/6*' 6/&4.-*' /3)' *(-9::6 3:' 1 .3' '+'6.((.-*' 7.4'/66'-.:/-).)' 7 1' /*' (7.' 07 .+' '-3/1.3(' '+' (7.' *.3/('- /6' '-).-' (7.' :-./(.*(' '-/('-' '+'7 *' (1 .' /' ,/-/:'3' '+'/66'(7.' ; -(9.*$' '1 1/3) 3:' *907' 93 ;.-*/6' -.*,.0(' /3)' *9--'93).)' 24' +/1 64' /++.0('3' ? 31/079*' .3%'4.)' /' 0.-(/ 3' *92)9.)' 7/,, 3.**' .' &/*' (7.' & (3.**' 3)..)' '+' :-./(' 07/3:.*' &7 07' *7'08.)' /3)' &'93).)' '6)' 0'3*.-;/(;.' /3)' ,/(- '(0' +..6 3:' E9(' 7.' 3.;.-' 6'*(' 7 *' ,6/0)' +/ (7' 3' (7.').*(34' '+' '1.' 6(7'9:7' 7.' &/*' /').;'(.)' ,/:/3' 7.' &'96)' 3'(').34' (7/(' 7 *' 7- *(/3' +- .3)*' 7/)' +'93)' /3'(7.-' /;.39.' ('' Q'(7.' =-./(' 4*(.-4 R'Ñ 3)' /' (-9.' 07/-(4' & 66' 3'(' -.+9*.' ('' 7 1' (7.' */1.' ('6.-/3(' 7',.' .' *' /61'*('(7.'6/*(' '1/3' '+' (7.' '6)' *07''6' /3)' /*' &.' 2)' 7 1' +/-.&.66' &.' *..1' ('' 2.' *(/3) 3:' 3' (7.' &/3' 6 3:.- 3:' 6 :7(' '+' /' 6/(.' /9(9 1 3/6' *93*.(

' ,)C?@')5' U ' RQ E' D@ N')F QE' E?@')5' ' G[
DC' RQ)N' DU' ?N@' K?@) QN') QN' @' \') ' W' Q@?' @D D' @?@' O? DC ' OD '
PD@ ?' L?FFDL)' OD DL ?' 5 QED@ ' L' %D@ ')E')N' P)@ED' CDL D QN
'2 ' 3' BWA' ' (8' ' GBII' ' ,O?FF

/3) '3*(/3(3',6. $ 1 (* 1 '*(2- 66 /3(,-'+.**'- 7/) &'3 7 * & /4 ('(7. 0'3*96*6- , /3) (7.:-./(,-.+.0(9-.'+ (7. .*(7.' 1'*(3(1/(.'-.6/('3* &.-. 1/3(/3.) 2.(&..3 (7. /0/).1 0 *'0.(4 '+ E'-)./95 /3) (7. 6(.-/-4 3'26.* '+ (7. /, (/6 /(7 3 (7.*(/2 6(4 '+(7. 1, -./3) '1/3 096(9-. * ,.-+.0(64 93(-'926.) 7.-. * 3'(/7 3('+(7'*.') 1 7'-).*/6-./)4 19*(.-3:'+'-(7. -/);/30.&7'& (7 3 (&.3(4 4./-* & 6 2.'.*(/26*7.) '3 (7.2/38* '+(7.=/-'33.

7. ,'.1* '+ 9*'3 9* /-. '+ ,-0.6.** ;/69.('3.&7' & *7.* ('83'& (7.('3./3) 1/33.- '+ ,-'; 30 /6 6+.3 (7. 6/*(/:.'+ (7. .*(.-3 1, -. 3) (7.,'.(7 1*.6+ & (7 /66 * +/96(* * /;.-4 3(.-.*(3:,.-*'3 .'+(.3 &/*(.* 7 * *8 66 '3 1&'-(74 *92%.0(* .* ;/3 /3) & +6/((.- .5(-/;/:/3(64 (7.;/3 (4 '+ '(7.-* /4 3:'/0'6) /3) 0'3> ;.3('3/6).+.-.30.('(7. 7-*(/3+/(7 M 7. * *(/6(.-/-4 ,/:/3 30/,/26.'+ 93).-*(/3) 3:/34 '3.&7'4 .6)* ('(7. 7:7.-14*(0/3) *, -(9/6 1,96*.* M 7.07/-1'+ *'0.(4 /3) '+ 6(.-/(9-.'*/(*+.* /66 7 * 6'3:3:* .(7.7/* 1/34 ;-(9.* E.:333:6+./* /791 26.(./07.-'7.-'*.('(7. 7:7.*(,6/0.&707 /34 *92%.0(' '+(7. 1, -.'0'96) /(((/3 .(7.-.1/3.) (-9.('7 * ,-'+.** '3/3) ,-'9) '+ (7.-. * 3'*907 :/66.-4 '+ /0/).1 0 ,'-(-/(* 3 6(.-/(9-. /* 7.7/* 6.+(9* 7.7'3'9-* '+ (7.:-./(&'-6) 3.;.-+'-/ 1'1.3(*7''8 7 * *9,-.1./(((/071.3(('6.((.-* 3) 7.* /6*'1'*(+/ (7+96 ('(7.(.* '+ 26'') /3) '6) +-.3)*7 , .7/* 1 1'-(/6*.) /+/1 64 0-06.&7'29(+'- 7 1 &'96) 7/;. 3.;.-.1.-:.) +-'1(7.) 1 0-'&) '+ ,-'; 30 /6 0'(.-.* &7' ;/3 *7 /3) 6./;.3'(-/0. 7., '-(-/ (* '+ * :-/3)+/(7.-M (7. 6/*('+(7. '6) .)9/3) ; 3.-* '+ 7 * +/(7.-N (7. (' 0 ,74* 0 /3 '+E'-)./95 '+(7/(' 0-'&) '+ +.1/6.-.6/(;.* &/3(> 3:',.-7/,* 3 2-:7(3.** /3) :-/0.29(& (7 /* (-'3:07/-1 '+ 1/*0963.+'-0. '+).(/071.3(/3) *.-'9*3.** 1/4 *..1 &'-(76.** ('(7. 6(.-/-4 (-+6.-29(/-. ,9-.:'6) ('(7. *(9).3(' '+(7. 7 *('-4 '+ *'0.(4 7./9(7'-'+(7.,'.1'3 (7. '*.66.& 6;./* /61'*((7. '364 '1/3,'.(&7'7/* (-/3*+.--.) ('; .-*.(7.*92(6./3) *.0-.(07/-1 & 07 3/(9-.

, QC?@ , G B O3 = 'GG
F- H' VQFF)@'O' IA DD' M C FD D C ?' H 5)QF@Q7
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E?QK C)K?Q OD C?@)F NN?)F T ,0
OO3' O3' F< 'UU 'GW' , $ 2 ,

7/*'('1').-3'.4.*$' .')*.-;.*C9(.'/*1907'('6;.'/*(7.',/3(.-'+'/3''2*09-.',7/*.''+'*'0/6 6+.'&707'3'.;.-4'/:.'*'0'3).13.)'('''2*09-(4'24'(*';.-4';-(9.*

7.' , , 08'Ñ''+' 9*'3 9*'7/;.',.-7/,*'/3'.;.3':-./(.-'3(.-.*(' (7/3' 7*' ,'.1*' '3'(7.' -'+.**'-*' '+' E'-)./95' 9*'3 9*'6 8.'7*'+- .3)' 411/079*'7/*(7.';-(9.''+'6'4/6(4'('''6)'/**'0/('3*' ''3.'&7''7/*.;.-'6';.)'7 1'7.6,.)'7 1''-'*7/-.)'7*'+'-(93.*'*'+'-:'((.3' 7.'4./-*''+',&.-'/3)'*,6.3)'9-'/(' (7.'0'9-('+'=-/(/3'6.+('7 1'93*,'6(' /3)'9307/3:.)' 6.;.-';.-*/(6.'/3)'/12('9*'/*'7.'&/*''+'(7.'7'3'9-*''+'(7.':-./('&'-6)'4.('&7.3'(7.',-*.'&/*'&'3'9*'3 9*':6/)64'-.(9-3.)'('(7.'*0.3.'&7.-.'7.'7/)(/9:7('':-/11/-'('-/&'2'4*N'/3)'('(7.'*'0.(4'+'7*+/1 64'/3)'/0/).1 0'+-.3)*' 8.'1/34''+'7*'7'9*.'7.'6;.)'('/':-./(':.M' *'&+.'7/)').)'3'(7.'./-64'4./-*''+'(7.-'93'3N'/3)'1'*('+'7*'-.6/(;.*'7/)':'3.'2.+'-.'7 1' (7'6)' '1/3',.(4'/3)'3'/'*(-/3'+/-'1'-.',/:/3'(7/3'7-*(/3'7.'7/*'0'11.1'-/(.)'(7.-';-(9.*'/3)'*/;.)'(7.1'+-'1''26;'3' .&'+'7*'0-06.'&.-.'1'-.'1,'-(/3('3'(7.-')/4'(7/3'(7.'+'-:'((.3'&'-(7.*'&7''*6..,'3'/34''+''9-'0'93(-4'079-074/-)*' E9('(7.-',-(-/(*'.3/26.'9*(''1/:3.'7'&'C9.(',.',6.'&.-.'6;3:'3'(7.'6/*('4./-*''+'7.')'*9*

7.':-/3)+/(7.-''+'(7.',.('24'7*'1'(7.-<*'*).'&/*'/1.12.-''+''3.''+'(7.'3'26.*(' .)9/3'7'9*.*'3'(7.'(.--('-4''+'4'3*' 3'(7.'0'3+9*'3''+'(7.'-.:3''+' .(-09*'7.'7/)'('':''3('')*(/3('.56.'/3)',';.-(4' .'&/*'/3'/).,('3'/*(-'6':4'/3)''(7.-'*9,.-*(('9*'/-(*''+'7*'7./(7.3'/30.*('-*'/3)'/1'3:'7*',/,.-*'&/*')*0';.-.)'(7.'7'-'*0',.''+'7*':-/3)*'3',-.)0(3:'(7.'+/1'9*'0'3*96*7,''+'?#N' '-'7*'+/(7.-'(7.',.('7/)'/',-'+'93)'-.;.-.30.$' E'1'('1').*('+'-(93.'&707':/;.'7 1'/',6/0.'3'(7.'1930,/6'0'930 6*''+'E/0/*'/3)'E'-)./95'7.',-/0(*.)'/*'/',74*0/3'+'-'(7.':-./(.-',/-('+'7*

'1''1)?S)F M)C'CM?#@'MC'QCQ)F CQD'F D)T'CD@CD'@'MC'YQEPND@''?' MC'O?DN'8,'8 'O'ABB

' ?NO?CDE')D'MC'L?@CQFCMO'@' W_I'b 'WA"')@E'#MD@'MC'#D'M)E' KDD@'ED)E'\@@D'OFY?@O)EC^'bU'H"' L' LMD@SF'5??DN'U

' 2 ' BB'

@NF?C'F)LL@ KQC')L@

O!D)M'P DN?R)D'?DQC D'U@Q NQ)'

7?F D@C

D OQ'D@D QN'KF)@EC@Q LKQ7')D QN

'&D'NQC'M)D'F DE')'FD)C'FF ,8'WI['70* 8!-'5 ',5 -'C'EDE L)DE'?'& DO)@QC'5)L)QC' O?L?C'?',L)'@'M)'TD)'('* =''A'' &C')MD'F DE'?')K?Q' @@D T'TD)C',' '3''' 1'``BG' ?'LMD@S)',0 -'5??DN'

' ,' ' 'H

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6 +. ' (66' ' 3' 7 .' *' 3<*' /) ; / 30. 1 . 3 (' 7 .' & / *' *9)) . 364' - / *.) ' ('
(7 .' , - . +. 0 (9 - .' '+' (7 .' 664 - / 3' , - ' ; 30. ' .' & / *' , - ' 2 / 264' /'
, 7 6 ' * ' , 7 0' , / : / 3 ' /' (' 0' '+' (7 .' (4 , .' '+' ' 9 - . 6 9 * ' & 7 ' 1 '
7 .' - . * . 1 26. *' 3' 1 / 34' (- / (*' . (' 7 '' 7 /) ' 1 / 34' ; - (9 . *' & 7 07'
& . ' / - .' / 009 * (' 1 .) ' (' ' - . : / -) ' / *' , . 096 / - 64' 7 - * (/ 3 ' .'
/ ((/ 3 .) ' (7 .' 7 : 7 . * (' 1 .) 0 / 6' * 8 66' , ' ** 26. ' 3' (7 ' * .') / 4 * '
/ 3) ' : / ; .' 7 *' /) ; 0 .' & (7 ' 9 (' +. .' '-' -. & / -) ' (' ' (7 .' , ' '-' / 3) '
/ +6) 0 (.) ' / - . 6 . ** ' '+' 1 ' 3 . 4 ' 4 . (' +-9 : / 6' & (7 ' 9 (' 1 . / 33 . ** '
7 .' 3 . (7 .-' /)) .) ' (' ' 3 ' -' 1 , / - .) ' 7 *' 1 ') . - / (. ' +' - (93 . ' 8 .'
(7 .' * / : .*' & 7 ' 1' 7 .' +' 66' & .) ' 7 .' +' 93) ' (7 .' (-9 .' & . / 6 (7' 3'
- . : 96 / (' 3' '+' (7 .') . * - . *' 29 (' 7 .' /)) .) ' (' ' (7 *') . / 6' / ' & / - 1 (7'
'+' 07 / - (4' / 3) ' / ' 0 . - (/ 3' * . - . 3 (4' / 3) ' * & . . (3 . ** ' & 7 07' * ' + (. 3 .) '
7 *' (' 0 * 1 ' '6) 3 : ' / 6 ' '+' +- ' 1' *0 . 3 . *' '+' *(- +. ' / 3) ' - ; / 6 - 4 '
/ 3) ' (7 .' (- . / 07 . - ' 9 *' +- . 3) * 7 , *' '+' (7 .' : - . / (' 06 ' * 3 : ' 7 *' . / - *' (' '
/ 66' * , (. +96' - 9 1 ' 9 - ' 6 . /) 3 : ' / ' 6 +. ' '+') : 3 + .) ' 0 ' 3 (. 3 (1 . 3 (' / 3) '
C9 . (' 2 . 3 . + 0 . 30 . ' 7 .' * . . 1 *' / 3' / 61 ' * (' +6 / & 6 . ** ' 07 / - / 0 (. - ' ' 3 .' '+'
(7 ' * .' * / 3 (64' * ' 96 *' & 7 ' ' - . / 07' / ' - / - .' 1 ' - / 6' . 6 . ; / (' 3' & (7 ' 9 ('
* 9 , , ' - (' ' -' 1 , 96 * . ' + - ' 1' - . 6 : ' 9 *' + / (7

7 .' & ' 1 . 3' '+' (7 .' +/ 1 64' & . - .' ' 3 .' / 3) ' / 66' '+' / ' 1 / * 096 3 .'
/ 3) ' / 61 ' * (' , 9 - (/ 3 0 / 6' (4 , . ' - . 1 3) 3 : ' ' 3 . ' 24' / ' 0 . - (/ 3' C9 . (9) .'
/ 3) ' : - / ; .' , 9 - (4' '+' & 7 / (' & .' 7 / ; .' - . /) ' '+' . & ' 3 : 6 / 3) ' & ' 1 . 3'
(& ' ' '-' (7 - . .' : . 3 . - / (' 3 *' / : ' ' 3' (7 . -' 93 (- 3 :' 3) 9 * (- 4' / 3) '
/ 35 ' 9 *' 0 / - .' '+' (7 .' 7 ' 9 * . 7 ' 6) ' (7 . 4' - . / 6 * . ' (7 .' ' 6) ' ' 1 / 3') . / 6'
'+' & ' 1 / 3 <*' '++ 0 . ' 7 .' , ' . (<*' : - / 3) 1 ' (7 . -' (7 .' & +.' '+' (7 .' ' 6) '
/ * (- ' 6 ' : . -' / 6 (7 ' 9 : 7' ; . 3 . - / (.) ' +' -' 7 . -' * , ' (6 . **' 07 / - / 0 (. -' 7 /) ' 6 . +('
1 . 1 ' - . *' '+' * (. - 3' - . 298 .' / 1 ' 3 :' 7 . -') . * 0 . 3) / 3 (* M' *' 1 ' (7 . -'
& / *' / ' 1 ') . 6' 7 ' 9 * . & +.' & (7' / ' 1 3 : 6 .) ' * & . . (3 . **' / 3) ' : - / ; (4 M'
3 .' '+' 7 *' / 93 (*' * (/ 3) *' ' 9 (' +- ' 1' / 66' (7 .' & ' 1 . 3' '+' (7 .' 0 - 06 .'
9 * ' 3 9 *' - . 1 . 1 2 . - .) ' 7 . -' 6 ' ; .' / 3) ' 8 3) 3 . **' (' ' 7 1' / *' / ' 2 ' 4 '
E 9 (' * 7 .' 7 /) ' 0 ' 30 . ; .) ' / ' 7 / (- .) ' '+' (7 .' ' -) 3 / - 4' +. 1 / 6 .' 6 +. N'
'+' 7 . -' (1 . ' - . % . 0 (.) ' & (7' * 0 '+7' / ' (7 ' 9 : 7 (*' '+' 1 / -- / : . ' / 3) '
) . ; ' (.) ' 7 . - *. 6+' (' (7 .' * (9) 4' '+' 1 .) 0 3 . ' *' * *(. -' 6 . +('
. / - 64' / ' &) ' & ' 0 ' 1 2 3 .) ' (7 .' * / 1 .' 1 / * 096 3 .' * (- . 3 : (7' & (7'
(7 .' , . 096 / -' ; - (9 . *' '+' 7 . -' ' & 3' * . 5 ' +' / 66' (7 .' 0 - 06 . ' * 7 .' *'
(7 .' ' 364' ' 3 .' & 7 ' ' *') . * 0 - 2 .) ' / *' / ' - . 6 : ' 9 *') . ; ' (. . M' 9 * ' 3 9 *

' , ' ! ' G [' KF) @E) ' CQK') QC D C' NKQ ' NOD FC

Ñ " ' 9 ' @

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@?CCD' 8DQN

MD' #) C' MD' N ? MD ' ? ' 1) P@QC' , K? QC '
5) D ' 4 K ' W_I ' WH [' ' U ' * ' ' WB '
I ' ' QFO ' D ' 4 , ' ' G [' ' ? ' /) QCLMD@ ' ,
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6'*(7 * & +.' ./-64' /3)' (7.' ;.-*.*').) 0/(.)' ('' 7.-' 1.1'-4' /-.' (7.' .5,-.** '3' '+' /').., /3)' .3)9-3:' /++.0('3' /3)' /' 6 +.> 6'3:' -.:-.($ 7.' 1.1'-4' '+', 9-.'6'; .' /3)' *41, /(74' (7.'6'3:' 4./-*' &707' /* (7.4', /**' ';.-' (7.' * 6.3(' 7'9*.' 1/8.' *'6 (9).' /3)' (7.', / 3' '+' 6'**' '364')..,.-' 7/;.' *.6)'1' 2..3', 0(9-.)' & (7' :-./(.-' /3)' 1'-.' -./6' /++.0('3' 7.3' &.' -./)' (7.*.' *8.(07.*' &7 07' 2./-' /' (7.' 1/-8*' '+' 1 39(.' +/ (7+963.**' /3)' * 30.-(4' &.' 0/3' 93).-*(/3)' (7.'+..6 3:' '+' /0 (9*' /2'9(' (7.' :-/; (4' /3)' *.;.-(4' '+', -'; 30 /6' 07/-/0(.-N' 7.*.' , .', 6.' *..1' (' 7/;.' 7/)' 6 ((6.' '+').+3(.' 7-*(/3 (4' '3.' '+' (7.1' 0.-(/ 364' &.-.' 0/-- .)' /&/4' 24' (7.' /*0.(0' *, -(' &7 07' & (7)-.&' (7.-' +-.3)' /96 39*' +-'1' (7.' &'-6)' E9(' (7.4' /-.' 3)9*(-'9*' /3)' 7:7 1 3).)F' (7.4' (/8.' 6+.' /61'*(' (''' *.-'9*64F' (7.4' 7/;.' /' 0.-(/ 3') *(30('3' '+' 7.-.) (/-4' ;-(9.

9*'3 9*' 7 1*.6+' /6(7'9:7' 7.' 7/*' /' :.3)3.' /)1 -/('3'+'-' (7.' ;-(9.*' '+' 7 *' +/1 64' /3)' -./664', '**.**.*' 1/34' '+' (7.1 N' &/*' /6*'' (7.' 1'*(' 2-66 /3(' 07 6)' '+' (7/(' =/66 0' -.3/ **/30.' '+' (7.' +'9-(7' 0.3(9-4' &707' .5(.3).)' +-'1' '3*(/3(3.' (''' 7.')'* 9*' (' &/*' /' 8 3)' '+' Q' 3) /3' *911.-R' /' 6'3:' ,/9*.' '+' (-/3C9 66 (4' 2.(&..3' (&'', .-')*' '+' 0'3;96* '3*' E9(' (' &/*' /3)' /:.' '+' 669* '3*' 7.' 1, -.' &707' *..1.)' (''7/;.' -.:/(7.-.)' (*' *(-.3:(7' &/*' 1 3.)' 24' 309-/26.') *./*.' 7.-.' &/*' /' :-./(' .3.-:4' '+' /0/).1 0' 6 +.' 29(' '1/3' 096(9-.' 7/)' &'-8.)' (*.6+' '9(' /3)' &/*' 6 ; 3:' '3' (*' ,/*(' /009196/('3*' 7.' (.--'-' '+' (7.' 2/-2/-/3*' &7'' (7-./(.3.)' (7.' +-'3(.-' '+' (7.' 73.' *..1.)' +'-' /' (1.' (''2.' 6/)' .(' (7.' 0/1,/:3*' '+' B96/3' /3)' /6.3(3/3' /6(7'9:7' ;0('-'9*' 7/)' -.;./6.)' (7.' 93.57/9*(.)' *(-.3:(7' '+' (7.' .3.14' 9*'39*' 7'&.;.-' 3' (7.'-.1'(.'(-/3C9 66 (4' '+' C9 (/3.' 7/)' 3'' (7'9:7(*' '+' (7.*.

' /, ' U ' G[GB' '

M)DL'P) F?)')L ' QF@D)'F?@P)'E D)

?F@Q)')FF 'RQ?E' NQ)' E?NQC' C FD' D ' ? QC')FPD
RQ?E' @QF)' @?@' LQ RQ) N ' @?@' K?@)' O) L O?

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$ %MD' OD C?@)F' LM))L D '?', QC?@ QC')OOD) C' ?' M) D' KDD@' # M?Q' DO ?)LM' 7Q' MD' C?ND NDC' CM?#C')' F) ND@) KFD' O Q D@LT')C' @' MD' \' D@ ?' @QO)F C' ^' 2' U ' ', QC?@ QC' F)TC' MD' KF) ND' ?@')FD@ @)@' #M?' ? ED DE' M C' N CD X)KFD' EDCDL) ?@' ?')' \' C)?D') DC ^' &D N)T' #DFF C)T' O PD' P F)@' D) N @ C' E P@) DN') @' Y?LQF) ' EDM?@DC')CCD' N) D)' 2D' MD' N?)F T' ?')FD@ @)@' CDDNC' ?' M) D' KDD@')C' DX O ?)LM) KFD' b, NN' 1) L' UUU' I' A'')C' , QC?@ QC')CCD C' M) ' M C' ?#@' #) C' F)CL)' DC' @?K C' O)P @) ')' O ?K) ' '&' -D FLCM O' 8 . - ' *') ,2' A@E' CD DC' O' HI' /D D @P' 5' MD' L?) CD@DCC' ?' 3) @' C) D' 1' -D FD' CM O' C) TC' \ ' CM?QFE' KD' E CO?CDE' ?' D D' M C')L' @?' ?' MD' N?)F ?KF RQ T' ? ' MDCD' # D C' KQ' ?' MD' L?@ D@ ?@)F')E ?@C' ?' MD ') ^

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* (7 . 6 +. ' + (7 . (' &3* 2.0'1 . * 1 '-. *C9/6) /3) * ' 12-. (7 . 6 +. ' + (7 . 9 , , .-' 06/** ' 3 (7 . -' -9-/6 . *(/(. * 2.0'1 . * 1 '-. /((-/0(; . 7 . -. /-. 3) . .) * 7/) '&* ' 3 (7 . 6/3)*0/, . ' + 9*'3 9* E-:/3) * /-. 7./-) ' + 3 '& /3) (7.3 N /3) 4./-* ' + *0/-0 (4 /-. 3 '(9383'&3 N . (3 * , (. ' + /3 '9(29-*(' + , . ** 1 *1 &7 07 *. . 1 * (''2. /-. 1 3 *0.30. ' + ', 7'06. * M (7 . 6 +. ' + C9 (/3. 3 (7 . , '. (< *) /4 * &/* /, , /-. 3(64 2- :7(/3) 7/, , 4 & (7 3 '' +'-.2') 3 : ' + (7 . *('-1 &7 07 &/* (' 2-./8 9, '3 (2.+'-. /:. 3.-/('3 7/) , /**.) /&/4 8 6+96 096(9-. 7/)) . ; .6', .) (7 . 3/(9-/6 &./6(7 /3) 07/-1 ' + /+/; '9-.) -.: '3 (/(.64 0'93(-4 *./(* '3 &7 07 (7 . /0091 9> 6/(3 : &./6(7 ' + :.3.-/('3* 7/) 2..3 .5, .3).) 3 */(*+4 3 : 6959- '9* '-/-(*(0 (/*(. '-'*. . ; .-4&7.-. /6'3 : (7 . 2/38* ' + (7 . =/-'33. 7 . 0'6) ' + & 3(.-&/* (7 . :-./(, 6/:9. ' + 0'93(-4 6 +. E9((7 .*. 7'9*.* 7/) /, /-(1 .3(* /--/3:.) (' *9 ((7 . ; /-4 3 : (. 1 , .-/(9-. ' + (7 . *./*'3* 7.4 &.-. +9-3 *7.) & (7 6959- '9* 2/(7* /3) &.66 *('08.) 6 2-/-. * 7 . -: :-/3/-. * &.-. * (' -.) & (7 /1 , 6. * 9 , , 6 . * /:/ 3*(/* (3(.) 7/-; .*(N 7 . - 07 .-* .3/('-* 7/) *. ; .-/6 *907 . *(/(. * 7 . 3/1 .* /3) * (. * ' + (& '' -' (7 -. . 2.6'3: 3 : (' 9* '3 9* 7/; . 2 . . 3 /*0.-(/3.) 24 /3(C9/-/3 0/-. N 7 . : -./(1/3 ' + 0'9-*. 7/) 7 * /35 .(. * * ; 3.4/-) /3) 0'-3 6/3) /3) 1 . /) '& &7 07 &.-. (7 . *'9-0. * ' + 7 * &./6(7 0'96) 3'(2 . 6. +(. 3(-.64 (' (7 . 1/3/:. 1 .3(' + (7 . , -'09-/('-$.

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7./-' 3'&' /3)' (7.3' '+' /' 2/)' 4./-' &7.3' *9,,6 .*' 7/)' ('' 2.' 2-'9:7(' 9,' +-'1' 3./-' /3)' +/-J' /3)' &7.3' (7.') ++096(.*' '+' (-/3*,'-(' &.-.' *.;.-.64' +.6(' E9(' (7.' 3'(.' '+' 9*'3 9*' *' :/ .(4' /3)' 0'3(.3(1.3(' .' *..1*' (''7/;.' *9++.-.)' 6((6.'+-'1' (7.' .339' '+',-'; 30 /6'6+.' /+(.-'/66'(7.'.50(.1.3(' /3)' *,6.3>)'9-'+' 7*'4./-*' '+' '++0.' 7.'(.) 91' '+' '3.'.*(/(.'0'96)' 2.' .*0/,.)' '-'-.6.;.)' 24',/** 3:' '3' ('' /3'(7.-' '-' 24'-.0.; 3:' +-.3)*' /3)'; *(3:' 3'-.(9-3' -/;.66 3:' 24'-;.-' '-'-'/)' 3' C9(/3.' 3'(7'*.')/4*' &/*',-'2/264'./*.-' /3)' C9 08.-' (7/3' (' &/*' +'-' (7.' 3:6*7' *C9-.' 3'(7.'6/*('0.3(9-4$' '9-.-*' ,/**.)' ('' /3)' +-'' 0/--4 3:' +-.3)64' 6.((.-*' (-+6 3:' ,-.*.3(*' /3)' /*' (-+6 3:' ,'.(-4' .-.' /3)' (7.-.' (7.' (./07 3:' '+' ' /-(3' 7/)' 2.:93' ('').(/07' /3' /00'1,6*7.)' /3)' &./6(74' /-*('0-/(' +-'1' (7.' &'-6)64' 6+.' '+' 7*' '-).-' E9(' +'-' (7.' 1'*(' ,/-(' (7.' '-).-' -.1/3.)' 3' *,(.' '+' (*' 7-*(/3' 0'3> +'-1 (4' .**.3(/664' &'-6)64' '-' ,/:/3' 3' ('3.' /3)' 7/2(*' .3%'4 3:' &./6(7' /3)' (7.' *.3*.' '+' --.*,'3*26.' ./*.' /3)' +-..)'1' &7 07' &./6(7' 0/3' :;.N' /3)' .5,.3) 3:' (*' .3.-:4' 3' -9-/6'*,'-(*' '-' 29*3.**' 3' /' -'93)' '+' *'0 /6' .3:/:.1.3(*' '-' 3'*(9)4 3:' /3)' 1 (/(3:' (7.' :-./(' 06/** 0*' &7 07' &.-.' (7.' *(-'3:.*(' 6 38' & (7' (7.' ,/*(' '0.(4' 3' C9(/3.' *' ;.-4' 1907' (7.' */1.' /*' (' &/*' (&'' :.3.-/('3*' /+(.-&/-)*' &7.3')'3 9*' ; *(.)' 7*' +-.3)*' /(' E'-)./95

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&7 07 *' 1 .(1 .* 2- 3:* 7 1 /3) 7 * +- .3)* 3(')/3:.-' + 6 +.' '- 6 12 $ (' + -*(' '3.' 0/33'(' 7.6,' &'3).- 3:' &7/(' *4 1 ,/(74 (7.-.' 0'96)' 2.' 2.(&..3 (7 * .00.3(- 0 /3) -/(7.- 2'' - *7 07/-/0(.- /3) (7.' ,'6 *7.) 6 (.-/-4 1 /3 /3) 0'9-(.- 7.' 6 38 2.(&..3 (7.1 &/* /'(/*(.' +'- ,'.(-4 /6(7'9:7 7.'' *..1* (' 7/;.' 2..3 /' *'--4 ;.-*. &-(.- /3) *'1.&7/(' + /' ,6/: /-*(M *' 0'3;.-*/('3 1 /4 7/;.' 2..3 2.((.- (7/3 7 * ;.-*.* (' /34 -/(.' 9*'3 9* -.,-'/07.* 7 1 & (7 3'(' 7/; 3:' ,/) 7 1 /' ; * (' +'- (7-..' 1 '3(7* M /3) ,-'1 *.* (' +'-: ;.' 7 1 /').2(' + 7.' & 66 '364 ; * (' 90/3 /09*

7.' *'0 .(4 '+ E'-)./95 3 (7.' '6) /:.' '+ 9*'3 9* * 83'&3 (' 9* +-'1 /3'(7.-* '9-0.' (7/3 7 * ,'.1* 3 (7.' 4./-' '+ (7.' ,'.(<* 0'3*96*7 , 7 * *'3 .*,.- 9* &7' 7/) 2..3 ; 0/-' '+ /0.)'3 /' ,-'0'3*96 '+ +- 0/' /3) -.('- /3 ,-.+.0(' '+ (/64' -.(9-3.) (' 7 * 3/(;.' ,6/0.' 7.' *'3 '+ .*,.- 9* M /96 39* .66/.9* /* 7.' * 0/66.) +-'1 (7.' ,6/0.' '+ 7 * 2 -(7' 7/* 6.+(' 9* /' 09- '9* /9('2 ':-/,7 0/6 ,'.1 &- ((.3 3 7 * '6)' /:.' &7 07' 7/* /' :-./(' ;/69.' 2'(7' /* /' , 0(9-.' '+ (7.' 6 +.' '+ /' 4'93:' 3'26.' '+ (7.' (1.' /3) '+ (7.' + -*(' /,,./-/30.' '+ (7.' * :'(7* 3 =/96' /96 39* &/* (-/ 3.) 3 (7.' 9*9/6 &/4' .' 7/) =-..8' /3) /(3 (9('-* & (7 &7'1' 7.' -./) (7.' :-./(' /9(7'-* N *' 4'9(7' &/* ,/**.) 3 /' 0 -06.' &7 07' 0'12 3.) (7.' 7 :7.*(' '++ 0 /6 .5,.- .30.' & (7 (7.' 7 :7.*(' 6 (.-/-4 096(9-.' .(' 3'' '3.' &'96) -.0':3 *.' 3 /96 39* (7.' :-/3)*'3 '+ (7.' (9('-' + =-/(/3' '- (7.' *'3 '+ (7.' ,-.+.0(' + (/64' .' 0/33'(' 7.6,' +..6 3:' /* &.' -./) (7.') . , .0 ' (7/(' /6(7'9:7 /96 39* 1 /4 2.' /' 2.((.- 7-*(/3 (7/3 9*'3 9* 3 '(7.-'-.*,.0(* (7.' -/0.' '+ (7.' ,'.(' 7/*).:.3.-> /(.) +/*(' /96 39* 1 /4 7/;.' 83'&3 =-..8' &.66' +-'1 (7.' /00).3(' + 7 * 2 -(7 3 /3 ./*(.-3 ,-'; 30.' 29(' 7 * 6 1 , 3:' 7.5/1.(.-* /3) ,' 3(6.** 0'6'9-6.** *(46.' &'96) 7/;.' -9++6.) .;.3 (7.' ,6/0) :'') 3/(9-.' '+ 7 * :-/3)+/(7.-' + 7.' 7/) 6 ;.) ('' -./) 7 * ;.-*.* 7.' :6'** + 791/3.' 096(9-.' 7/* &'-3 '++ /3) (7.-.' * .;./6.) /'-/(7.-* '-)) /3) 1/(.- /6 *.) 07/-/0(.- (7.' ,-')90(' + 6. *9-.' & (7'9(' 7 :7.-' 3(.-.*(* /3)

')5' ' W[
(' 1' ' G[
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' %MDO DL CL DF) ?@CM O?' 5)QF @QC' ?' MD' O?D ' C')' N) D ' ? ' E COQ D' DDLS' bFU U '* N) @) @C' M) ' MD' #)C

C?@' ? ' %M)F)CC QC')@E')' E)QPM D ' ? ' ,QC?@ QC' 7) EDC' N7 0 ' O' AB '* M?FEC' F) ' MD') F D ' ? ' 5)QF @QC' #)C' &LCOD Y ' MD' O?D C' C?@' ' .KD ' ' " . ' ' 8 ' ' % # , ' 'O' [I' ' DMD@SF' 5 ??DN ' U \') . , ' ' _A ' GG_

&./6(7 & (7'9(/'*.3*.'+ ,926 0)9(4 7.').*0.3)/3('+ 9*'3 9*'/3) .*,.-9*7/*7/-)64 /'&'-) ('*/4 /2'9(6(.-/(9-./3) ,'6(0*

.(/* (7.'-.;.6/('3'+(7.3(.-'-'+/:-./(7'9*.'3 (7./6/*(C9/-(.-'+(7.'+'9-(7 0.3(9-4 (7. -. , .0 7/* 3''3/./3;/69. (* ,.-+.0(64+-/38 /3) /-(6.** /96 39* -.0/ * & (7 :-/((9).(7./35'9* 0/-.'+7 * ,/-.3(* (' ,-'(.0(7 * 4'9(7+96 33'0.30.$ 29(0'3+.**.* (7/(/6(7'9:7 7./;').) *0/3)/6'9* /1'9-*7.4.6).) ('(7.(.1,(/('3* U&7 07 /*4*(.1'+7'9*.7'6) *6/;.-4 /6&/4* '++.-* * ./-64 *(9) .* &.-. 3(.--9,(.) 24 6 7./6(7$ /3) 24 7 *)'0('-<* '-).-*7.) .;'(.) 7 1*.6+ (' +.6) *,'-(* &7 07 7 * +/(7.- &7' 7/) : ;.3 (7.1 9, -.*91.) 3 '-).- (' 2./- 7 1 0'1,/34 .30.+'-(7 7 * &7'6. (/*(. &/* +'- +3. 7'-*.* & (7 *,6.3)) (-/,, 3:* (/ :-''1**& +(7/&8* /3) 7'94)* /3) (7.1'*(+',,*7 /3) +/*7 '3/26.)-.** N * (.3 7* 2/ * 7/) (' 2. *.3(+'- (' '1. M '1.' +7 * /19*.1.3(* &.-.3'(C9 (.**' 33'0.3(N /3) 3 7 * (&.3(.(7 4./- 7 * ,/-.3(* /--/3:.) +'- 7 1 /1/--/:. & (7 (7.)/9:7(.-'+/3'26.7'9*. N &7'*.*(/(.* 7/)2..3 1,';.-*7.) 24 3.:6.0(/96 39*-.* :3.) 7 *+-..)'1 3'(& (7'9(-.:-.(.3)9*(-'9*64).;'(.) 7 1*.6+ (' -.+'-1 (7.1/3/:.1.3('+7 * & +.<* ,-',.-(4$ -'9*.) 9, (7.6/::/-)* -.3.&.) (7. .57/9*(.) ;3.* 1,-';.) (7.096(9.'+(7.+.6)* /3) ,/) '++ (7.+*0/6).2(* '-(7.3.5((.3 4./-* 7.6.) /'6+.'+ 6959-'9* -.,'*. .',691.* 7 1*.6+ '3 2.3: 93/12('9* /3) +'3) '+./*./3) C9 .(3.** .* 0'1,6.(.64 */(*+.) & (7 (7.3%'41.3('+ -* :-./(7'9*. & (7 (* /1,6. /3) .6.:/3(-''1* /)/,(.) (' (7.;/-43:*./*'3* 7 * 0-'&)* '+ 4'93: /3) 7/3)*'1.*6/;.* 7 * /-(*(0 ,6/(./3) +9-3 (9-. 6 * 0-'&).) *(/26.* /3) *(/(.64 0/--/:.* N .&/* /* 7.).*0-2.* 7 1*.6+ /' *.0(/('-) .6 0 /-91 R N /3) 3'(7 3: 1'-. 7 * *.6+ 0.3(-.) 0'3(.3(1.3(& (7 (7.1/(.-/6 ,6./*9-.* '+ 6+. (7 * -/(7.- ;/0/3(.5 *(.30. :6) 3: /&/4 3 ./*. /3) 6959-4 /3) / -'93) '+ (-;/6 *'0/6 .3:/:.1.3(* 3'((7. +-/3(0).2/907.-4).*0-2.) 24 /6; /39* * (7.-./6 -.,-'/07

G '-.- ' G< ' GBB
' 1'2' GA<
W 1' ' G W
' 1' ' G B'
\ 1' ' GBB

' 1' ' GH[
' 1' ' GI
$ 1' ' A[< XX
' 1' ' AGH

/:/ 3*((7. 07/-/0(.- '+ (7. 9,,.- O6/** '+ (7/(/:. 7.
6959- '9* -.,'*. '+ /96 39* /3) 7 * 7 3) &/* *'' 3 -9).64
) *(9-2.) 24 (7. /,,/- ('3 '+ (7. = '(7* '+ (/96,79*

7. *'0 .(4 '+ 9*'3 9* *..1 'Q('' 2. 0/6164 0'3+).3('+
(7. ,.-1/3.30. '+ (7. -)./6* '+ 096(9-. /3) 7/-)64 0'3*0 '9*
'+ (7. :-./(1 ';.1.3(&7 07 &/* *.((3: ('&/-)* (7. 6+. '+
,-/4.- /3) -.3-10 /('3 9*'3 9* * 3)..) *(9-2.) 24 (7.
-.(-.1.3('+ /96 39* $ 7 * +/;'9- (. ,9, 6 +-' 1 (7. &'-6) '+
-.+ 3.1.3(/3) *'0 /6) *(30('3F 29(7 * +..6 3: *..1 * ('' 2.
,9-.64 ,.-*'3/6$ (7/(7 * +- .3) *'' - 0764 .3)'&.) & (7 (7.
,-'1 *. '+ *907 /2- 66 /3(6 +. 2.+'-. 7 1 *7'96) +'-:.(7 *
(-/) ('3* /3) 7 * &'-6)64 7',.* /3) 29-4 7 * +(* 3 (7.
O6' *(.- 7. &'-8 '+ /-(3 &/*)'3. &7.3 (7.*.6.((.-*
&.-. &- ((.3 .(/-(3 * 3.;.- 1.3('3.) -'2/264
9*'3 9*7/) /* 6 ((6.' 0'30.,('3 '+ (7.-/3:. /3) +'-0. '+ (7.
1';.1.3(/* (7. :-./(*.3/('- '+ 7 .-'<* 0'9-(7/) '+ (7.
&'-6) '&). -.;'69('3 &7 07 &/* (' 2. (7. -.*96('+ (7.
,-./07 3: '+ /96

.((7. 1,96*. (' /*0.(0*1 '-: 3/664 ,-',/:/(.) +-'1
(7. /*(.-3).*.-(* /3) *(196/(.) 24 (7. ,-./06 3: /3)
1/:3.(0 3+69.30. '+ /-(3 3 =/96 7/) :/3.) .5(-/>
'-) 3/-4 1'1.3(91 3 (7.6/*(4./-* '+ 9*'3 9* 7./(/6.*
'+ &'3).- /3) 1 -/06.& 7 07 -/,)64 069*(.-.) -'93) (7.3/1.
'+ (7.:-./(,-./07.- /-. (7.*9-.*(,-''+ '+ (7. ,'&.- & (7
&7 07 7 * 1 ** '3 /++.0(.) (7. ,',96/- 1/: 3/('3 * 8 3
24 96, 0 9* .;.-9* & (7 3 (&'' '- (7-.. 4./-* &/* &).64
-./) 3 =/96 (/64 664- / /3) 7/) +'93) (* &/4 .;.3 ('' (7.
'6 (/-. 3 (7.).*.-(* '+ :4,(/3) =4-.3. M /96 39*
&7'' 3(-')90.) (7. 2''8 ('' '1/3 -./).-* M &/* '3. '+ (7.
+ -*(+-9 (* '+ (7.:-./(-.7:19* /&/8.3 3: .:/;.9, 7 *
&./6(7 /3) 0'3*96/- -/38 /3) (7. 07/-1* '+ 7 * :-./(.*(/(.
'3 (7. =/-'33. /3) /+(.- *'1. 4./-* '+ -.(-./(3 ,/3
+ 3/664 *.((6.) /('6/ N * .5/1,6. '+ -.3930 /('3 0-./(.)

 ,QC?@)5 UU UU
 <[
 5 QF@ ;?F)5 U GG @O
D 6L L AW G L 1 P@D
, O 8, U O L UUU
 QFO D 4 , L AW e
W 5) &@@C ND 1) @ ?@LD)
D@@D N)5 GH e I" W 1) @ LQ DE
M N ? C?ND) DL ?@ ? MD DTDC

b @O D ! % , L GI W"
9? MD L LQNC)@LDC ? M C L?@ D C ?@
L O @ 1 P@D U
,C ? MD O DL CD ND ? M C C)T)
7) LDF?@))@E MD DF) ?@ ? M C
5?DNC U ? ,QC?@)5 AW A
A< L LMD@F F 5 ??D) U XX
/)QCLMD@ , 1 . .U? UUF
.KD O AI_

/ ,-'+'93) *.3*/('3 /66 ';.- (7. .*($ (&/* +'66'&.) 24 1/34 '+ 7 * '-).- 3) +-'1 '3.' '+ (7.*. 96, 09*
.;.-9*' /3 /);'0/(. /3) 1/3 '+ +'-(93. &. 7/;.'(7. +966.*(
-.0'-) '+(7. 1';.1.3(.&/* /')./-'+- .3) '+ /963/*
& (7 &7'1'+-'1'7 *-.(-./(3 =/96 7.'0'3*(/3(64'0'--.*,'3).)
E9(/963/*+-'1'*'1.'0/9*.'0'96) 3.;.-*900..) 3')-/&3:
96, 09* ('(7.'1'3/*(.-4 '+ '6/N

96, 09* 1/8.* 3'' 0'30./61.3('+ (7.'+'-0.* &707' &.-.
/--/4.) /:/3*((7. /*0.(0 1';.1.3(' 7. *0.,(0/6 '-
3) ++.-.3(*0'++.) /((7.'1 -/06.* '+ /-(3 7., '6*7.)
1/3 '+(7.'&'-6) /00'-) 3:' (' 7 * (.1,.-/1.3(' 1'9-3.) '-
-) 096.) (7. 26 3) +/3/(0*1' &707' 0'96)).*.-((7.' -/38*
'+ 096(9-./3) ./*4 :' 3:' *.6+ 3)96:.30.' +'-'(7.'*'6 (9).'/3)
/9*(.-(4 '+ (7. 7.-1 (/:.N ;.3 (7.'2*7',* /3) *.096/-
06.-:4 &7'' (-.) (' :3'-.' (7.' :-./(*/3(/3) 1 ** '3/-4
6''8.) & (7 66) *:9*.) *9*, 0 '3 '3 /3 .3(79* /*1' &707
7/) 3'' -.*,.0(+'-'.006.* /*(0/6 -'9(3.$ E9(3'(73:'0'96)
07.08 (7. ./:.-, /** '3 +'-' /'*, -(9/6(4 93/((/326.' 3'(7.
&'-6) '+ 096(9-./3) 0'3;.3('3/6(4' '&/-)*' (7. .3) '+
(7.'+'9-(7 0.3(9-4 :-./(-.6 : '9*7'9*.*'+'-' 0'11'3 *(9) .*
/3)).;'('3 2.:/3 (' 2.'+'93).) 3 '9(7.-3 =/96 /3) (7.
+/1'9* 1'3/*(.- .* '+ (0('-/3) @-3*) /(.'+-'1'(7.'./-64
4./-* '+ (7.'+(7 0.3(9-4 912.-* 29-.) (7.1*.6;.* 3
.069).) 7.-1 (/:. /1'3:' (7.'&'')* /3) -'08* /3) -.,-'>
)90.) 3 =/96 (7./9*(.-(4 /3) (7.'1/-;.6* '+ (7. /307'-.(
6+.' '+(7. 7.2/)

7. /*(7/) *.3((7.'+-*(0/66 (' (7.'6+.' '+ -.3930/('3
/3) (&/* +-'1'(7. /*((7/(' /'*.0'3) ,'&.-+96 1,96*.'0/1.'
7.3 B.-'1.' 3?"@'-.(-.) (' (7.'1'3/*(.-.* '+E.(76.7.1'
7.'2.0/1.'+/1'9* ';.- /66 (7. '1/3 &'-6) * :-./(
,.-*'3/6(4 *('') '9(/* ,-'1 3.3(/3) /* /((-/0(;.' /* .;.3
(7/(' '+ 9:9*(3. .' /)).) (' (7.'1'3/*(0 6+.'+-.*7
69*(-.'24 7 * ; ;) 3(.66.0(9/6 +'-0.' /3) 7 * 0'3(/:'9*
.3(79* /*1' +'-' (7.'*(9)4 '+ '64 - (* 6.((.-* '3
C9.*('3* '+ 0/*9*(-4 '-' 2 26 0/6 3(.-,.(/('3 +6.&' (' (7.

' ,QP) 5 'WG 'e< ' & D ?@) 5 'GGH '
e< ' QFO ' D '4 , ' 'L' G_ 'e W '
,NK ?)) 5 'BH
\ O@ QFO ' D%) @E M) ?F) ?@)
M ' 5)QF @QC ' L ' JD@@)E '
'. 5) .. ' U U 5)QF @) 5 ' UU
eG ' U ' B ' ee< ' GW ' eeG[' GG

' QFO ' D '4 , ' L ' F 'e _ '
'L' <'e ' ' 5)QF @) 5 ' U 'e
' QFO ' ? '4 , ' L ' A 'e W ' @ D '
?FD L?) E CC ED@ D) ' @ D 'DO) L?O?D)) D '
D@ D) ' L 'AB 'e W 'C?F ' F QN 'LFD L 'C?F '
@DCL Q@ ' MLD E? D) ' L ' ! ' ' % ,
L 'A_

-.1'(.*(',/-(*'+'(7.'1,-.'7.'07/-1'&707'7*').*0-,>('3*'(7-.&'/-'93)'(7.'64'6/0.*')-.&'3912.-*'+',6:-1*'.;.3'+-'1'(7.'E-(*7'*6.*'('';*('(7.'*0.3.'+'(7.'/(;(4$'&7.-.'(7.':-./(.*(')'0('-'+'(7.'7(-07'&/*'&(7';/*(6/2'9-'*(-;3:'('1/8.'06./-'('7 1*.6+'/3)'('','*(.-(4'(7.'-./61./3 3:'+'(7.'*/0-.)'(.5('E.+'-.'(7.'.3)'+'(7.'+'9-(70.3(9-4'(7.'-.*'9-0.*'+'(7.'1'3/*(.-4'/('E.(76.7.1'0'96)'7/-)64'0',.'&(7'(7.'3912.-*'&7''(7-'3:.)'(7(7.-'+-'1'(7.'+/-(7.*('.*('3)'./07',6:-1'3'7*'-.(9-324'(7.'(/6.*'+'&7/('7.'7/)'*..3'/3)'7./-)'-'9*.)'(7.'/-)'9-'+''(7.-*'('1/8.'(7.'*/1.'%'9-3.4'.'7/;.'(7.').*0-,('3'+'*907'/'*0.3.'3'(7.'4,0-''+'96,09*'.;.-9*'3'/'7.-1(/:.'3''9(7.-3'=/96$'/'1'38'3/1.)''*(91/39*':;.*'/3'/3 1/(.)'/00'93('+'7*',6:-1/:.'('(7.'/*('('./:.-'24*(/3).-*'.'7/)'0-'**.)'(7.'*./'3'+;.')/4*'('/-(7/:.N'*,.3('/'&..8'/1'3:'(7.'*/3)*'+'=4-.3.'&('/'7.-1('&7''7/)'.-.0(.)'3'(7.'&/*(.'/'(34'07/,.6'-''+.)'&('2'9:7*$'3':4,('7.'+'93)'/'0'3+60('3'(7.'-('7')'54'+'-:.3'-/:3:2.(&..3'(7.'2*7',*/3)'(7.'1'38*N'/3)'(7.'*41,/(7.*'+''*(91/39*'*..1'('2.'&('(7.'*9*,.0(.)'+/(7.-'%'9-3.4'+'*5(..3'*(/:.*2-'9:7('7 1'('(7.'0.66'+'B.-'1./('E.(76.7.1N''*(91/39*'7/*'(7.':-./(.*(/)1-/('3'+'-'(7.',-')':'9*'6./-33:/3)'3)9*(-4'+'(7.'*/3('29('(7.'2-'(7.-'('&7'1'7.'*'(.663:'7*'/);.3(9-.*'7/*'/':-9):./:/3*('B.-'1.'+'-'7*'/(((/08*'3'(7.'1'3/*(0'07/-/0(.-'B.-'1.'<*'&-(3:*'7/)'/6-./)4'/'&).'0-096/('3'3'=/96'/3)'7*', 0(9-.*'+'1'38*7'/;/-0.';/3(4':69((34'3'('('*,./8'+':-/;.-'+/96(*'7/;.'++.3).)'/66'(7.'1'-.')..,64'2.0/9*.'(7.4'*..1'('2.'(-9.$'*(91/39*'3'7*'-.(9-3';*(.)':4,('(7.'6/3)'&7.-.'(7./*0.('0'').'/6'&/*'7:7.*('/3)'&7.-.'*'6(/-4',.-+.0('3'7/)'&'-8.)'(*':-./(.*('&'3).-*'7.'6.'&/*'63.)'&('1'3/*('0'-.(-./(*'%N'/*'1/34'/*'?AAA'1'38*'&.-.

')5'BB'e'G''B'e'G['E CQC')K'?KD'@?C?'7)@@QC''''RQ)D'F?LQN')N'CK')@QN'D'L O Q')QN'DF)?@D'L?P@QN''L'<H'e'

$ @O'D'4,'3'?'G

('1''['W

'1''U'<

'1''?B'QFO L QC'M NCDF'#)C'M)EFT'?M?E?U'&C'CTNO)MDC'@'M C'?FE')PD'#D D'5DF)P)@'L

JD@@)E'''.5')..'U U'M D'@'CD@DL Q D'CQ)'')'5DF)P)@C'EDLDO QC

$ 1''L'H

1''?'H'I'''H'''VD?ND C')FD'?'MD'N?@S'#M?'M)E'M?)EDE'N?@DT''5'AA'e'WW''?')5'GA<'e'GB''<A'e'W

\'@O'D'4,'''?'G['G_')E'-FQN'QND@'?P DCCQC'?QY C'Y)C'DRQD@KQC'N?@)C D C'??@CD)C'Q)RQD'DU'O)D'FQC)

:/(7.-.)' 3' '3.' 0'1193(4' 7.-.'(7.'3/(9-/6'&/4&/-)3.**'
'+'(7.'791/3' & 66'&/*' 0-9*7.)' 3' /' (.--26.' 3';(/(.' 3'
&707'93C9.*('33:' +/(7'&/*' '+(./' -.&/-).)' 24' 1 -/06.'
3.' 3';0.' 7/)' ,/**.)'(7-'9:7'/'+9-3/0.' 9379-($' 3'(7.-'
7/)' 2..3' '-).-.)' +'-'(7-..' 4./-*' ('' 2./-' (7.' &/(.-' '+' (7.'
6.'(&'' 1 6.*') *(/3('('' -- :/(.'/').//)' *(08' (66' (' 2-'8.'
3('' 6./+N' (7.-*' 7/)' (/1.)' (7.' 2./*(*' '+'(7.'& 6).-3.**'(66'
(7.4' /0C9-.)' (7.' +..6 3:*' /3)' *41,/(7.*' '+' 1/3' 3069) 3:'
.;.3'-.1'-*.'+'-'* 3'N' /6.*'6 8.'(7.*.' +/66 3:' '3' ./-*'./:.-'
+'-' 1/-;.6*' '+' (7.' ,'&.-' '+' */30((4')-.&' 1/34' /3'(7.-'
&/3).-.-'+-'1' =/96'('(7.'14*(.-'9*' /*(
7.*.' ,6:-1/:.*'7'&.;.-'*.-;.)' /'1'-.' 9*.+96' ,9-,'*.'
(7/3'(7/('' '+'*/(*+4 3:' /'6';.' '+' 1/-;.6*' 7.'(-/;.66.-'('' '-'
+-'1'(7.'7'64',6/0.*'&/*' '+(.3'07/-:.)'&(7'6.((.-*' '+' 3C9-4'
'-' 3*(-90('3'' 3'C9.*('3*' '+' 7-*(/3'0'3)90(' '-'2.6.+' '
B.-'1.' 7/)' 1/34'0'--.*,'3).3(*' 3' =/96'&7''0'1193 0/(.)'
&(7'7 1' 3'(7*'&/4'/3)'*'1.' '+'7*' 1'*('3(.-.*(3:'6.((.-*'
&.-.' &-((.3' 3'-.,64'('(7.1' 3'(7.'./-64'4./-*' '+'(7.'
++(7'0.3(9-4'/'4'93:',-.*('3/1.)' ,').1 9*'&/*'*.((3:' '9('
('';*('(7.' '64' 6/0.*'/3)' /' =/66 0'6/)4' 3/1.)' .) 2 /M'
.0.)'(7.'',,'-(93(4'+'.3) 3:' 'B.-'1.'/'6*('+'C9.*('3*'
'3'(7.'6':0/6'-',-/0(0/6')++096(.*' .) 2 /' 2.6'3:.)'('
(7.'*/1.'+/1 64'/*' 907-'(/'/3)' -'096/N' &7'' 1,.-66.)'
(7.-'+/-'+/1.' 24'/66'& 3:'(7.1*.6;.*'('2.'0/ .)' /&/4'24'
(7./-(*'-'(7.'.3(79*/*1''+'(7.'*.0(/-4'-*0 66/3' 7.'&/*'
'+'/3'/30.3(' -9)0'7'9*.'&707'7/)'2..3'0'33.0(.)'24'
7.-.)(/-4'(.*'&(7'(7.'(.1,6.'+'E.6.3'/('E/4.95N' 7.' .6(0'
:')'&/*')*0';.-.)'24'(7.'/00'11')/(3:'(7.'6':4'+'E'-3.'('
2.'(7.'0'93(.-,/-('+'(7.' 7'.29*' ,'66'' '+'=-.8'6.:.3)'/3)'
(7.')'926.'3/1.' ,' 'E.6.39*'+:9-.*'3'1/34' 3*0-,('3*'
'+'(7.' 1,.-/6'(1.*' 7.'3/1.*' 7'.209*' .6,7)9*'
/3)' /(.-/'2'-3.'24' 1/6.' 1.12.-*'+'(7.'7'9*.'7/;.'/'
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' @O' D'4,'' L'GH'e' (' @O' D'(0'' H'e'W
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, - ' ; 30 /6 -. , 9(/('3 /2'9(7. '*/1. '(1. '3 (7. '*07''6 '+ E'-)./95' 3'(7.-' 3 (7. '+'66'& 3:' :.3.-/('3' 3/1.)' .6, 7) 9*' /+(.-'/'(-'926.)'0/-..-' 3 (7. '-.:3*' '+' '3*(/3(9*' /3)'B96/3'.3).)' 7 *' 6 +.' 3 (7. '* 1.' 93 ;.-*(4' /3)' 7/*' /' ,6/0.' /1'3:' (7. '-'+.**'-*' '+' 9*'3 9*' .) 2 /' 7/)' (7. ' 1.3(/6 .3.-:4' '+' 7.-' -/0.' & (7'9(' /34' '+' (7/(' (.3).304' (''/' 1.-.64' .1'('3/6 -.6 : '3 &7 07' &-.08.)' (7. ' , ./0.' /3)' (/-3 *7.)' (7. ' 07/-/0(.-' '+' 7.-' - *0 66 /3 *(' -.6/(;.*' 7. ' 2.3(' '+' 7.-' 1 3)' &/*' .;).3(64' ('&/-)*' /' 0/-.+96 /3)' 7'3.*(' .5.:.* *' '+'(7. 'E 26.' 7. '2.: 3*' & (7'(7. ', -/0(0/6 3C9 -4' '&' 0/3', .-+.0('3'2. '/(((/3.)' /3)'7'&'*7'96)'/'&)'&'6.+('07 6)6.**).;'(.'7.-*.6+'('' = ')'H E9('(7. '1/%'-(4' '+' .) 2 /<* C9.*('3* -.6/(.'('' /, , /-.3(') *0-., /30 .* 3' (7. '= '*, .6* '. *, .0 /664' 3' (7. '3/--/(;.*' '+'(7. '.*9--.0('3'/3)'('') ++ 096(.*' 3' (7. '3(.-> , -.(/('3' '+' *'1. ', /**/:.*' 3' ' /96<* , *(6.* , ') .1 9* & /* /6*' ' (7. '2./-.-' '+' /' 6.((.-' '+' (7. '*/1. ' 8 3)'+-'1'/'6/)4'3/1.)' 6:/* / $' &7''*..1*' ('' 7/;.' 6 ;.)' 3' (7. ') '0.*.' '+' /7'-*N' 6:/* /'/*8*' 74'))'B'73'(7.'E/,(*(' *.3)'7 *') *0 ,6.*' ('' /*8' ' -(' (7'9' .' &7 07' *7'96)'0'1.'HR' &7.3' 7.' 7/)' ,-.; '9*64' */)' '+' B.*9*' Q' E.7'6)'(7. ' /12' '+' = ')'R' H 7/(' *' (7. '1./3 3:' '+' (7. '(.5(' Q' +' /34' & 66' 0'1. ' /+(.-' 1.' 6.(' 7 1').34' 7 1*.6+'R' H 7''*' (7. '*(.&/-)' '+' 93-:7(.'9*3.** 0'1 1.3).)'24'(7. '-')'H E9(' 3' 7.-' 6 *(' '+') ++ 096(.*' (7.-' *' '3.' &7 07' 7/*' /' ,/(7.(0' 791/3' 3(.-.*(' 2.0/9*.' (' *..1*' ('' -.+.-' ('' (7. '+91'9-*' :-'& 3:' 1'-.' /3)' 1'-.') *(30(' 3' (7. '4./-' 3' &7 07' (7. '6.((.-' &/*' &- ((.3' '+' 2/-2/- /3' 1';.1.3(*' 3' (7. '3'-(7' 7. ' &- (.-' /*8*' ' B.-'1. ' +'-' /3' 3(.-,-.(/('3' '+' (7. '1 3'9*' */4 3:' -.,'-(.)' 24' ' /((7. & ' Q '.' (''(7.1' (7/(' /-.' & (7' 07 6)' /3)'(''(7.1' (7/(': ;.'*908' 3'(7'*.')/4*' /3)'Q' -/4'(7/('4'9-'+6 :7('2.'3'(' 3'(7. ' & 3(.-3'-''3'(7. ' /22/(7 R' 'B.-'1.''+'0'9-*.' 3(.-,-.(*' (7. ' &'-)*' /*' -.+.-- 3:' (''(7. '0'1 3:' '+' 3(07-*(N' /3)'(7. ' 0-9.6(.*' '+', .-*.09('3' E9(' 6:/* /<* /, , ./6' *..1*' ('' (7-66' & (7'(7. '*79)).-3:' /35 .(4' '+' /' 1'(7.-' &7''7/)' 7./-)'(7. ' ( ) 3:*' (7/('(7. ' 9.;.*' /3)' /3)/6*' 7/)', /**.)'(7. ' 7 3. M

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'+' :-./(' 7 *('-0' /7'1.3(' 7/)' '00 9-.)' 7.' +/2-0' '+' (7.'
.*(.-3M' 1, -.' 7/)' H..3' *7/8.3' ('' (*' 2/*.' 9*'3 9*' 7/)'
*..3'(7.' 6.1/33' 79-6.)' /0-'**' (7.' 7 3.' 74' /6.3(3/3$'
/))' 07/*.)' ('' (7.'-.0.**.*' '+' (7.-'+'-.*(*' 3' (7.',.1*' '+'
7 *' (-)3C9 6' '6)' /:.' (7.' 3/1.*' '+' (7.' 2/-2/-/3*' /-.' 7/-)64'
.;.-' 1.3('.)' E.+'-.' (7.' 2-(7' '+')'3 9*' (7.4' 7/)' *&.,('
+-21' (7.' 6 3.' ('' (7.' 66/-*' '+' .-096.*' 3' 7 *' ./-64'
4'9(7' * :'(7' /3)' '1/3' 7/)' 1.(' '3' 1/34' /' +.6)' 3'
C9(/3.N' /3)' /*' /66.*' (7.4' 7/)' -' .)' 7/08' (7.' 7'-).' '+'
((6/' '3' (7.',6/3*' '+' 7+6'3*' 3' 7 *' 6/(.-' 1/37'')' (7.'
.*(.-3',-'; 30.*' &.-.' ,-/0(0/664' 6'*(' ('' (7.' 1, -.' 7.'
-/38*' 7/)' '009, .)' (7.' 6'&.-' 7 3.' 7.' * :'(7*' &.-.'
1/*(+.-*' '+' 3./-64' / ' .*(.-3' =/96' *'9(7' '+' (7.' '-.' 7.'
E9-:93)/3*' &.-.'*.09-.64' *./(.)' '3' (7.'9,,.-' 7 3.'/3)' (7.'
7'3.' '1/3')'1 3 '3' 3' ,/3' 7/)' 2..3' -.)90.)' 74' (7.'
9.;.'/3)' /3)/6' 3-'/)*' ('' /' 1.-.' 0'-3.-' 3' (7.' 3'-(7./*('
'+'U' (7/(' :-./(' ,-'; 30.' 7.' /3)/6*' 3' '-(7' +-0/' 7/)'
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+/(7' 7/)' 0/,(9-.)' '1.' (*.6+' /3)' 0'1 1/3).)' (7.' .)(.-'
/3./3' & (7' (7.-' +6..(*' 7.' 2 *7',' '+' 9;.-:3.' 6;.)' ('
*..' 7 *')'0.*.' /61'*(' (7.' 6/*(' ,/(07' '+' (.--('-4' 3' =/96'
6.+('U93).-' 1,.-/6' *&/4' 0.).)' ('' (7.' * :'(7*' /3)' (7.' 6/*('
.1,.-'-' '+' (7.' .*(' -.,6/0.)' 24' /' =.-1/3' 8 3:' '+' (/64'
7.' 7.')'* /3' ').' -.;./6*' (7.' ,-':-.**' '+' /3' 3(.-3/6'
).0/4' &6 07' &/*' .;.3' 1'-.' *.-'9*' (7/3' (7.' '3*6/9:7(*' '+'
(7.' 3;/).-*' ;.-4' 2-/307' '+' (7.' 1,.-/6' *.-;0.' &/*'
2.0'1 3:')*'-:/3*.)' '--9,('3' &/*' .;.-4&7.-.' -/1,/3('
/3)' /9(7'-(4' &/*' ,/-/64*.)' 7.' &.:7(' '+' (/5/('3' &/*'
:-'& 3:'7./;.-' &7 6.' (7.' 1 93 0,/6' (/5,/4.-' &/*' 2.0'1 3:'
1,';.-*7.)' /3)' *..8 3:' /34' -.+9:.' +-'1' /' *4*(.1' &7 07'
',,-.**.)' (7.',''-' /3)' &/*').+.)' 24' (7.'-07' .(' 3' *,(.'
'+' (7.*.' :-./(' 07/3:.*' /3)' (7*' 0'66/,*.' '+' /9(7'-(4' (7.'* 1 >
6/-(4' 2.(&..3' (7.' &'-6)' '+' 9*'3 9*' /3)' (7/(' '+')'3 9*' *'
;.-4'-.1/-8/26.' ;.3' 3' (7.-' 1/(.-/6' 0'3)('3' (7.' =/66 0'
/-*('0-/04' *..1' ('' 7/;.' *9++.-.)' ((6.' +-'1' (7.' :.3.-/6')*>
'-:/3*/('3' (7 3' /',.-')' '+' (7-(4' 4./-*' /-2'33.' 7/)'
2..3' /(' 6./*(' (& 0.' 2.*.:.)' 24' (7.' ='(7*N' .(' 3'(7.

' ,FC?@' 28' =' 1?CDFF)' ' ' AA')@E' E) ' L' E?@' (, -' UU ' B['
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6.((.-*' '+')'3 9*' (7.-.' *' 3'' * :3' (7/(' (7.' (-/3C9 6' /3)' 6959- '9*' 6 ;.*' '+' 7 *' +- .3)*' (7.-.' 7/;.' 2..3') *(9-2.)' 7.' ; /' '+' '3*.3(9*' 3' (7.' 3. :72'9-7'')' '+' (7.' ('&3' *(66' -/ *.)' (*' .6.:/3(' /3)' 6'+(4' , 6.' /1'3:' ; 3.*' /3)' '6 ;.*$' & (7' .C9/6' 07/-1*' +'-' (7.' *(9).3(' /3)' (7.'6';.-' '+' 3/(9-.' (*' 1/*(.-' .3%'4.)' 7 *' '6)' &./6(7' /3)' 6959-4' /3)') *,.3*.)' 7'*, (/6 (4' ('' (-'',*' '+' :9.*(*' ;.3' 3') *(- 0(*' '009, .)' 24' (7.' =.-1/3*' (7.' &./6(7' /3)' '*(/(9*' '+' (7.' 9,,.-' 06/**.*' /,,./-' ('' 2.' 93 1,/-.)' /1/(9*' /' =/66' '1/3' &7'' &/*' '3.' '+' (7.' /)1 -/6*' '+' 9-0' & (7' (7.' *,.0 /6' 07/-:.' '+' &/-) 3:' '++' (7.' /5'3' , -/(.*' +-'1' (7.' 0'/*(' '+' C9 (/ 3.' &7.3' 7.' *' 3'(' '3')9(4' 6./)*' (7.' ,6/0)' 6 +.' '+' (7.' 0'93(-4' :.3(6.1/3 $' '009, .)' & (7' 29 6) 3:' 793(3:' /3)' 6 (.-/(9-.' 3' (7.' (.--> ('-4' '+' (7.' E9-:93) /3*' (7.' +'-(93.*' '+' (7.' 9,,.-' 06/**.*..1' ('' 7/;.' 2..3' /*' 6 ((6.' /6(.-.)' E *7',' /(.3*' /3)' 0) 0 9*' (7.' 2-'(7.- 3 6/&' '+')'3 9*' 1 9*(' 7/;.')-/&3' (7.' :-./(' ,/-(' '+' (7.-' -.;.39.*' +-'1' (7/(')*(-0(' .(' &.' *7/66' *..' 0) 0 9*' /26.' (' ,-';).' *92* *(.30.' +'-' VAAA' *(/-; 3:' ,.',6.' 3' /'*./*'3' '+'+/1 3.N' 3)' (7.' :'')' 2 *7',' &7'' &/*' /' 1/3' '+',- ;/(.' +'-(93.' 3' /',.- ')' '+' * 1 6/-') *(-.**$' '-:/3 *.)' /(' 7 *' '&3' .5,.3*.' /'*4*(.1' '+' &7'6.*/6.' -.6 .+' 3'(' '364' +'-' (7.' ,',96/('3' /6'3:' (7.' 7'3.' /3)' (7.' /'3.' 29(' /6*'' +'-' ,6/0.*' +/-' 2.4'3)' (7.' 6 1 (*' '+' 7 *') '0.*.' 7.-.' *' 3'' * :3' (7/(' (7.' :-./(' '1/3' ,-',-.('-' *'' +/-' /*' (7.' 1/(.-/6' 0'3) ('3*' '+' 7 *' 6 +.' &.-.' 0'30.-3.)' &/*' &'-*.' '++' 93).-' (7.' =.-1/3' 07 .+' (7/3' 93).-' (7.' 1 ,.-/6',-.+.0(

7/(' (7.' 6'&.-' /3)' 1))6.' 06/**.*' *9++.-.)' 0-9.664' *' ('6.-' /264' 0.-(/3' 29(' '3' (7.-' 0'3) ('3' /3)' +..6 3:*')'3 9*' 7/*' 6 ((6.' ('' (.66' 9*' 3' 7 *' 6.((.-*' *' /' 2 *7',' 7.' 0'9-/:.'9*64' *('')' 24' 7 *' ,.',6.' 3' (7.' 7'9-' '+')/3:.-').+.3).)' (7.-' -:7(*' /3)' &/*' +966' '+', (4' +'-' (7.-' *9++.-3:*' *' ,-30.64' 07/-(4' &/*' 6'3:' /' (-/) ('3' 3' =/ N' E9(' /*' (7.' :-./(' 3'26.' 0'1,'*3:' .6/2'-/(.' 6.((.-*' (' 7 *' +- .3)*' &7 07' 7.' 3(.3).)' +'-' (7.' .4.*' '+' ,'*(.-(4' 7.' *' /61'*(' .3(-.64' '009> , .)' & (7' (7.')/64' 6 +.' (7.' ,.096/-' (/*(.*' /3)' /12('3*' '+

' E' (, ' UU ' W'')5' ' ' E' M?L')P')')@Q CbYQD' @D)') RQD' ?4 D C' D) KQF?' L)@ ? L)FFD')N?Q' @CC NQ)

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9++.-3: /3) -.;.-.* '+ +'-(93. 3(7.06/**.* 2.3./(7 7 1
&7 07 19*(7/;. -.*96(.) +-'1 /:-./(.0'3'1 0 -.;'69('3
+-'1 (7. ', ,-.** '3 '+(7. (-./*9-4 '++ 0 /6 '- +-'1 (7. 3;/>
* '3* *..1 (' 7/;. 7/) 29(6((6. 3(.-.*(+'- '3. 3 &7'*.
.4.* (7. 1.3 &7' &.-.).*0.3).) +-'1 ,-.+.0(* /3) 0'3*96*
/3) &7' 7/) -./) '1.- /3) .3/3).- -:6 /3) 634
(':.(7.- /(4'3* '- E'-)./95 &.-. (7. '364 3(.-.*(3:
,/-('+(7. '1/3 &'-6) N 7 * 06/** *.,/-/(.) +-'1 (7.
1/**.* 24 ,-) '+2-(7 /3) ,-;6.:. /3) -07.* &/* .;.3
1'-. 09('++ +-'1 (7.1 24 (* 1'3','64 '+096(9-. 1
/-*('0-/(7'&.;.- 6'3: 7 * ,.) :-.. 7'&.;.- 2-'/) 7 * /0-.*
&'96) 7/;. 7/-)64 +'93) 7 1*.6+ /(7'1. 3 (7. 0-06. '+
)'3 9* +7. 0'96) 3'((9-3 '++ ,-.((4 ! 0. '-
6.((.-* +/*7 '3.) 3 (7/(.9,79 *(0 *(46. &707 0.3(9-.* '+
-7.('-0/6) *0 ,63. 7/) .6/2'-/(.) 7. 1.12.-* '+(7/(
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+- .3)*7 ,* 24 0'11'3 3(.-.*(* /3) ,9-*9 (* 29(3'(6./*(
24 /0/).1 0 0'1,/3 '3*7 , N /3) (7., 9-*9 (' '+(7/( ).6 '+
096(9-. &707 1'-. /3) 1'-. 0/1. (' 2. -.:/-).) /* (7.
(-9.*(((6. (' (7. 3/1. '+ '1/3 (7. -./6 *(/1, '+ -/38
'& '+(.3) '.*)'39* -.13) /+-.3) '+(7.)/4* &7.3
(7.4 7/) (7-./).) (7. 1/0.* '+ -*('(.6/3) /6.0(0 M '-
1/*(.-.) (7. (.073 C9. '+ /(3 -7.('-0 93).- (7. */1.
,-'+.**'-/(4'3* '-(7.*(/26(4 '+(7. 1/(.-/6 +'-(93.*
'+7 * '-).-7. 2.(-/4* 3' /35.(4 +7. 7/* /) 1'0'3>
*0 '9*3.** '+).0/).30. (* '+/6(.-/-4).0/).30. N /+/69-.
'+ 3)9*(-4 3 (7. 3'26. /3) 6.((.-.) 06/** /+/69-. 3).;'>
('3 (' (7. /30.3(1').6* /3) 3 (7. +/*() '9*3.** '+(7.
6(.-/-4 *.3*. 7.0-'&) &7' 7/) 3' (30(9-. '+(7/(6'-.
&7'83.& 3'((7. .*'(.-0 6/3:9/:. '+(7. 3(/(.) &.-. 3'(
,.-7/,*).*, *.) 24 *907 /, .-+.0(:.3(6.1/3 29((7.4 &.-.
-.:/-).) & (7 (7/(26/38 93 3(.-.*(.) :/O. &707 *..* 3 (7.

E)5 'G I H
W TNN)LMQC COD)SC ? MD DQ) D
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@D , C ? DF L)C L) DP? DC) DU
E)FDL LQC) L CC)K)C L G %MD
KDC FFQC) ?@ OD M)OC ?) C ?X
L) L K ? MD M??E C @ MD 'FD D ?
,RQ F @QC I L M) U AW
)5 TY H G G_ P)@
E D F)D ? C)F N @ @FQC ODL ? D
Q?)@DCLD@ Q Q F D) QN DN)Q
C CCD DC P) L G[

; %: / - ' '364' /') 1' /3)' 0'6'9-6.**' 1 /**')'3 9*' +..6*' /' 0.-(/ 3') *:9*(' .;.3'+'-'(7.'2.*(' '+' 7 *' =.-1 /3' 3. :72'9-* $' 7.4' /-.'0'/-*.' 3'(7. -' 7/2 (*'(7.4' /-.' :3'-/3(' /3)' 2-9(*7' /3)' 7/;.' 3'(7 3:' '+' (7/(' .6/*(0 (4' '+',1 3)' /3)').6 0/04' '+' (/*(.' &7 07' .;.3' /(' (*' &'-*(' (7.' (-/ 3 3:' '+' (7.' ' 1 /3' *07' '6*' 1 ,/-(.)' .' *7/66' 7/-)64' 2.' &-'3:' 3' *9,,'* 3:' (7/(' 7 *' 0'1,/-/(;.' * 6.30.' /2'9(' (7.' 6'&.-' '-).-*' '+' 7 *' '&3' 0'93(-41.3' 0';.-*' /' 6 8.' -.,9:3/30.' 7.' +.-'0 '9*' ,93 *71.3(' &7 07' 7.').6(' '9(' ('' (7.' 2'' -*' &7*' &.-.' C9 (.' 33'0.3(64' (-.307 3:' ';.-' (7.' *' 6' '+' 7 *' /30.*('-<*' :-/;.N') *,6/4*' /66' (7.' 0'3(.1,(' '+' (7.' 1.) /.;/6' 2/-'3'+'-' 7 *' *.-+*

7.' 6.((.-*' '+')'3 9*').*0- 2.' (7.' 6 +.' /3)' +..6 3:*' '+' '364' /' * 3:6.' O6/**' '+' ' 1 /3' *'0 .(4' 29(' (7.4').*0- 2.' (7/(' O6/**' & (7' /' +/ (7+963.**' &7 07' 6./;.*' 6 ((6.' (' 2.').* -.)' .',-'+.**.)' 7 1*.6+' /3' 1 (/('-' '+' 411/079*N' 29(' 3' 7 *').6 3./(' '3' '+' (7.' 1.3' & (7' &7'1' 7.' 6;.)' /3)' '+' (7.' *0.3.-4' /3)' 2/08:-'93)' '+' (7.-' 6;.*')'3 9*' +/-' *9-,/**.*' 411/079*' 3' 1 39(.3.**' '+')-/& 3:' /3)' 3').,(7' '+' 0'6'9-' 411/079*' 096(;/(.*' 2-.;(4' /3)' -.*.-;.' /*' /'1/((.-' '+' (/*(.' /3)' .(C9.((.' .' *..1*' /61'*(').(.-1 3.)' 3'(' (' 2.' */(*+4> 3:' /3)' 3(.-.*(3:' 7.' +/96(*' '+')'3 9*' /-.' /66' '3' (7.' '(7.-' *).' (7',.-7/,*' 3'' :-./(' ,'&.-*' '+' -.+6.0('3' & (7' 3'' /293)/3(' *('08' '+').*' 7.' *' 4.(' /' 1 39(.' '2*.-;.-' /3)' 7/*' /',' * (;.').6 :7(' 3' /1,6+4 3:' /66' (7.' -.*96(*' '+' '2*.-;/> ('3'24' 1./3*' '+' /3' .3'-1'9*' /3)' '+(.3' 2/-2/-'9*';'0/296/-4' /3)' 24' /66' (7.' /-(*' '+' /',.-;.-(.)' -7.('-0' &7 07' '+(.3' ,9(*' /' *(-/ 3' '3'6/3:9/:.' (7/(' (' & 66' 3'(' 2./-' .(' /34' '3.' -./)' (7.').*0- ,('3' '+' (7.' ,,./-/30.' /3)' 7/2 (*' '+' 7.')'-0M' '+' (7.' 1./3*' 24' &7 07' (7.' ,/-;.39' /.'3 9*' -/*.)' 7 1*.6+' ('' (7.',-.+.0(9-.' 2.+'-.' (7.' /00.** '3' '+' /%'-/3N' '+' (7.',/-/> *(.' '+' 4'3*N' '+' (7.').6/('-*' &7'*9--'93).)' 7 6,.-0<$'+' .0(9*' (7.' /*0.(0' 0'93(-4' :.3(6.1/3N' /3)' &7 6.' 7.' & 6' +3)' 1907' (''+6 .3)' /' *.3*(;.' (/*(.' 7.' & ' 3'(' 0'1,6/ 3' '+' /34'6/08' '+' ; ;)3.**' /3)' 0'6'9-' +' *907' /' 0-(0' *7'96)' 3' '(7.-' *8.(07.*' '+' ' 1 /3' *'0 .(4' 3' =/96') *0';.-' /' 0.-(/ 3

')5'! 'G'KDC)F N@' P E) QNRQD' E) DN' ' ' @CDLQ Q QC
@) ?QQN' L? E)' L? @D)' K)DR@D' '_B' 'A
L)FDC' ' G 'K) K) ?)' T ?C' RQ)' '_B' ' F
N) F' OQ DQ Q '' DP?' D)NC' K?@ $_B' 'GH
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*/1.3.**/3)6/08'+,'&.-('*.O.(7. 1/:3/('3'(&'96)'2.&.66+'-7 1'('-.+6.O(&7/(' 7.' 7 1*.6+'0'96)'7/;.')'3.'& (7'* 1 6/-'1/(.-/6*' 7.'6+.''+'/'-07'*.09-.'/3)'7 :764'0'3;.3('3/6'*'0.(4')'.*'3'(6.3)'(*.6+'(')*0-,('3*'&707'.3(7-/6'(7.' 1/:3/('3'/3)'*/(*+4'(7.'6';.''+'(7.';/-'9*'/3)'(7.', 0(9-.*C9/' 7.3'(7.'=/66' '1/3'3'26.'7/)'0'1>,6.(.)'7*'2-.+'0/-..-'+' 1,.-/6'Q'7'3'9-*R'(7.'4./-*'+'/3'93-9++6.)'/3)'*(//(.64'6+.'+6..(.)'/&/4'3'/'0'6'9-6.**'/3)'1'3'('3'9*'+6'&' 7.'0'6)'0/61')':3(4''+'(7'*.':-./('7'9*.*'&(7'.3)6.**'0/66*'('+-;'6'9*'*'0/6')9(.*'/3)'/-'9(3.''+'29*4')6.3.**'19*('*9-.64'7/;.'1/).'(7.'3'26.-'*,-(*'*'1.(1.*'6'3:'+'-'(7.'1'-.'*(-.39'9*'/3)'*('-14'6+.''+'(7.-'/30.*('-*' *'&.'(9-3'(7.',/:.*''+')'39*'&.'*..1'('+..6'(7.'*(66'6/3:9)',,-.**;.3.**'+'/'7'(';/0/3('3''3()'3'3.''+'(7'*.';66/*'3' C9(/3.'-'9;.-:3. 7.'1/*(.-'1/4'2.'6''8 3:'/+(.-'7*'&3.'/3)''6''-'6/4 3:'/'+-.*7'1'*/0'-'-./)3:' .-.30.''-' .3/3).-'3'*'1.'*7/)4':-'((''F 7*':9.*(*/-.',6/4 3:'(.33*''-'-/((6 3:'(7.')0.2'5''-'(-/08 3:'(7./3(C9/-/3'6'-.''+' -:6'('(*'*'9-0.*' 7.'*0.3.'*'3.''+'(-/3C9 6'0'3(.3('-'.;.3':/.(4' E9('';.-'/66'('' '9-.4.*'2-'')*'(7.'*7/)'&'&707'7/93(*'(7.'6+.'(7/('*'3'9-*7.)''364'24'1.1'-.*'/3)'('&707'(7.'+9(9-.*.3)*'3''0/66'/3)''++.-*'3'',-'1*.

('1/4'7.')'92(.)'7'&.;.-'&7.(7.-')'39*'-.:/-).)'7*'*'0.(4'3'/34'*907'&/4' .'1/4'7/;.'3'(0.)'/3)'6/1.3(.)'3'7*'6/(.-'4./-*'/'+/69-.''+'6(.-/-4'.3.-:4$'/'6.**).60/(.'*.3*.'+'-'&7/('7.'-.:/-).)'/*',9-(4''+'/(3'*(46.F29('+'-'(7.':-./(.-',-('+'7*'6+.'(7.'0-06.''+'3'26.*'('&707'2.'2.6'3:.)'&.-.'.3%'4 3:'93)*(9-2.)'(7.',6.3(4'/3)'.6.:/30.''+'(7.-'0'93(-4'*./(*'/3)'&.-.'/*').;'(.)'/*'7 1*.6+'('(7.'6(.-/-4'/-(' 3)'7*'0-06.'&/*';.-4'&).' +'&.'3069).'7*'6.((.-*'('2*7',*'/3)'079-071.3N'('1/4'/61''*('2.*/)'('7/;.'.12-/0.)'(7.':-./(.-',-('+'=/96'+-'1' '**'3*('' /-*.66.*'+'&.'0'3+3.''9-'/((.3('3'('7*'*.096/-'+-.3)*'('0.-(/364'0';.-.)'/66'=/96*'9(7''+'(7.' '-.N' 7.'.3.-:4'&(7'&707'7.'096(;/(.)'7*'+-.3)*7,*''-'/0C9/3(/30.*7,*'*'7*':.39*1-/26.' 3)..)'(7.'2.*('(73:'/2'9(')'39*'*'7*':.39*

')5' 'G[' O)Q?' C@E)' @Q@L' M?@?)@' ?' 'B' 'G['H' 0 3 'JDN' :50 ' ' 'O' GWB' &D

D@QND)DC CD D@DD@ KCM?OC # M' #M?N' E?@QC L? DCO?@EDE '%MD' T)P QC ?' '<FDE' @D)' ?CC?@C'L'JDP'%Q ''GH'A_

+'-'+- .3)*7 , ' *'6.((.-*' -/3:.' 3' /66') -.0('3*' ('' E'9-:.*' ('' E'-)./95' ('' /-*. 66.*' ('' /-2'33.' ('' 4'3*' /3)' ('' 1/34' /3' .*(/(.' '-' 2 *7',<*' 7'9*.' 2.4'3)' '-' & (7 3' (7/(' 0 -06.' 3' (7.'6/*(' '+' 7 *' ,'.1*$ 7.' *.3)*' (7.' ;'691.'+'-(7' ('' (-/;.6' /6'3:' /' & 3) 3:' ,/(7' ('' /-2'33.'./07' *(/:.' 2. 3:' 1/-8.)' 24' *'1.' :-./(' 7'9*.' &7.-.' 7.' '3' /'* 1 6/-'%'9-3.4' 7/)' *,.3(' ,6./*/3(')/4*' 7.' 2''8' '3' (*' + -*(' *(/:.' *' ('' 2-/;.' (7.' 0- (0 *1' '+' '1 (9*' (7.' :-/1 1/- /3' '+' 9;.-:3.' 9-(7.-' '3' 3' (*' %'9-3.4' (' *' (''; * (' (7.' *./(' '+' .--.'69*' +/(7.-' '+' '3/3(9*' .--.'69*' /' :-./(' ,-.+.0(' '+' =/96' /3)' /30.*(-/6' +- .3)' '+' (7.' ,'.(' (' *' 3.5(' (''0-'**' (7.' /1 '/3)' ,-.*.3(' (*.6+' /(' '-'/3:9*' (7.' *./(' '+' ,' 3/- *'&7'' 7/)' */(' '3' (7.' */1.' 2.307.*' & (7')'3 9*' /(' (7.' *07''6' '+' 4'3*' 3:.-> 3:' /&7 6.' /1'3:' (7.' :/-).3*' /3)' :-'((' .*' '3' (7.' =/-).3' (' ,/**.*' '3'+-'1' '3.'+- .3)' (''/3'(7.-' (66' (' -./07.*' (7.' *(/(.64' 7'1.' '+' /:39*' /(' /-2'33.' &7'*.' *'3' &/*' 6 38.)' (''')'3 9*' /6 8.' 24' (.*' '+' 1/-- /:.' /3)' 24' 1.1'-.*' '+' 0'66.:.' 6 +.

(' &'96)' 2.' /' &./-*'1.' /3)' +-9 (6.**' (/*8' (''0/--4' (7.' -./).-' 3').(/ 6' (7-'9:7' (7.'6'3:'6 *(' '+' (7.'+- .3)*' '+')'3 9*M' 7.4' /-.' 3'&' 1.-.' *7/)'&*' 7.' 0 -06.' 3' /-2'33.' /3)' (*' 3. :72'9-7'')' &/*' *,.0 /664' 2- 66 /3(' 3' (7.' .4.*' '+' 0'3(.1> ,'-/-.*')'3 9*' 3' '3.' '+' 7 *' ,'.1*N' 7/*').*0-2.)' (7 *' 0-'&)' '+' ,-.+.0(*' 0'3*96*' %9- *0'3*96(*' /).,(*' 3' .;.-4' 2-/307' '+' 6 (.-/(9-.' .;.3' - ;/6*' '+' (7.' :-./(' 1/*(.-*F' 4.(' 3'(' /' 3/1.' 3' (7.' 6'3:' 6 *(' *' 83'&3' (''9*' +-'1' '(7.-' *'9-0.*' E9(' /6(7'9:7' (7.' 3) ;)9/6' 1/4' *..1' 3* :3+0/3(' /3)' 93 3(.-.*(3:' (7.' O6/**' &7'1' 7.' -.,-.*.3(*').*.-;.*' *(9)4F' /3)' (7.' +./(9-.*' '+' (7.' *.3/('- /6' O6/**' &.-.' *(-'3:64' 1/-8.)

3' 1'-.' (7/3' '3.' '+' 7 *' 6.((.-*' M')'3 9*' *91*' 9,' 7 *').'/6' '+' (7.' '1/3' 3'26.' (7.').'/6' &7 07' 7.' &'96)' 6 8.' 7 *' *'3' /*' 7.' */4*' _' & (7' (7.' 7.6,' '+' 7- *(' R' (''/(((/ 3' .' *7'96)' /*' /3' /61'*(' -.6 : '9*')9(4' -.,/4' (7.').2(' '+' 3'26.' 2 -(7' 24' /)) 3:' (''(7.' 6 *(' '+' +/1 64' Q' 7'3'9-*' R' *'1.' :-./(' 7 $*(-/04

' (, ' UU ' $%MD')CS' M)C' KDD@' O ?QCFT' OD ' ? NDE' KT' MD' ,KKB' M) C' ' ' G' <' ' (, ' UU ' W<' ' ? ')5' ' ' ' M) U' 50 ' ' ' O' A G' ')5' ' GB' &?' # DC' ?' DFF' 5)O)@ FF)' ?' MD ' K ? MD C' DFD) ?@' ?' MD' O) L) D' -? D' MD' #? EC RQ)' ED' D' O ?O ?' ED?' M C ?')NO4) ?C O ?C)O)D' Q)D' QF?C' DP?' DC QQC P)) ? C')O L KQC' @CL OC ' ? ' B' ' GA' ' ' _')@E' (, ' ' G<H RQ?C' RQ OY ?' LQ QFDC' ?' ' O)D D? Q)C' L?@C) ' EDKD D' @DO? 3

3 (7. 1 , .- /6 *.-; 0. .*7'96) & (7'9(-.)90 3: 7 1*.6+ (' (7. 6.;.6 '+ / 2/ 6 +' '- / 1'3.4 :-922.- /((.3) (' (7. 1/3/:.1.3('+ 7 * .*(/(.*$ '1. ' + 7 * *9,.-+69'9* &./6(7 1/4 2.' *,.3(3 /)) ('3* (' 7 * 0'93(-4 *./(' '- -.).0'-/(3:7 * 2/(7* /3) */6''3* & (7 +-.*7 +-.*0'.* /3) 1/-26.* . & 66 2./ 8..3 *,'-(*1/3 N /+(.- (7. 1/33.-' '+ 7 * .6(0 /30.*('-* E9((7.*. ,9-*9 (* *7'96) 3'(/2*'-2 /66 7 * .3.-:4 7. 3'26.' 06/** (7.*/6(' '+ E'1/3'*'0 .(4 * / :-./(2-'(7.-7'') 2'93) ('.:.(7.- 24 (7. (-/) ('3* '+ 7.-.) (/ 4 +- .3)*7 , /3) / 0'1 1'3 096(9-. '+ , -0.6.** ;/69. 7. (-9.).*0.3)/3('+ / :-./(-/0. & 66 (-/ 3 7 * *'3 3 (7. */1./-(* /3) /00'1> ,6 *7 1.3(* &7 07 1'96).) 7 * /30.*('-* /3) 7 1*.6+ N . & 66 /6*' 24 *0-9,96'9* /((.3('3 ('0'--.*,'3).30./3) *'0 /6)9(.* 8.., &/-1 (7. +..6 3:* '+ +- .3)*7 , /3) 3(.-.*(3 0'1 1'3 *(9) .*) '3 9* /(/34 -/(.* ('&/-)* (7. .3) '+ 7 * 6 +. &/* /).;'9(/3) , '9* 079-07 1/3 E9((' (7. 6/*((7. /*0.(0) ./6* '+ 1.3 6 8. B.-'1./3) /96 39* *..1 3.;.- 3 7 * 1 3) ('7/;. '2*09-.) (7.) ./6 '+ (7. &./6(74 /3) *(9) '9* 0'93(-4 :.3(6.1/3 & (7 / &7'6.*'1. &.66 2/6/30.) 3/(9-. +'3) '+ *,'-(/3) +/-1 3: ,-'9) '+ 7 * +/1 64).;'(.) (' 7 * +- .3)* /3) /2';. /66 ,.3.(-/(.) & (7 / *.3*.' '+(7.''26 :/('3'('0/--4 '3(7.(-/) ('3' + 096(9-. ''7. +/6*.' ('6.((.-* &/* (' 7. +/6*.' (' +/1 64 7'3'9- /3) (' '1. -) ' + 2 -(7 &/* '3. ' + (7. *(-'3:.*(+..6 3:* 3 (7. =/ ' '1/3 /-*('0-/('- &/* (7 * 1907 /2/(.) 24 (7. ,-'+.** '3 '+ / *.;.- 7-*(/3 (4 3 / -.1/-8/26. '00/* '3)'3 9* &/* /*8.) 24 (7. ,.',6. '+ E'9-:.* (' 3'1 3/(. / 2 *7', .) .6 ;.-.) /3 /))-.** ('%9*(+4 7 * 07' 0. /3) 3 -.0'1 1.3) 3: / 0.-(/ 3 1 ,6 0 9* +'-'(7. -*9++-/:.* 7./6/4* (7. :-./(.*(*(-.** '3 7 * 7 :7).*0.3(M ' 3 (7.'6 ;.* '+ (7. */3(* /3) :-./(079-07 1.3 '+ (7/(/:. N (7.'2 ':-/,7.-

')5' 'H ' ' ' H F?N @) @)) Q D@) Q @DN?) DP C ' ' ' ')?L O D L)@ C DR@QC) LQC NE?' QD D' L ' (, ' ' VHW' #MD D MD DUOF? C ?', QC @ MD LM)CD) D ED)F CDE ' 1 ' 'GA P DC)' OFD)C)@ ' O L Q D ? ' MD K CM?O D)E @P %D D@LD)@E 1D@)@ED ' # M M C C?@ ' FDPLK)NQC O) D F)QE)M)NQC Y?L)K)NQ RQD ' ? ' MD L) D ?', QC?@ QC ? ' M C P)@EC?@ C DEQL) ?@ ' 2 ' ')@E TN) 5 ' B

' _B ' I ' E?@ QC P DC MD)EE DCC @ QFF #M LM MD EDF D DE ?@ MD ?LL)C ?@ ' 5) D@ DC OC QC)Q 'L) MDE C)Q ' KQ@)F KQC O)DCDED Q@ ' ' 4U? ' FF ' ED 5)FF)E ? QN ' C OD EDCLD@E

$ J DP ' %Q ' ' ' - , '3 O ?C)O) RQ EDN FFQC C ! ' , - ' L ' C)@L QC J DP? QCDU CD@) ? KQCO N C / ' % ' ' WI ' DC ' D@ N b QFO L QC ') FED @?K F C ' ED O @ C CD@) ? KQC J)FF) QN ' ! ' , - ' L ' H ' GB ' A[

3.;.-+/6*(-.0'-)(7.+/0(+(7.-2.3:+*.3/('-/6
2-(7 7*06/**'*30.'(7.'(1.'+'3*(/3(3.3069).)'/66
(7.6/-:.'6/3).),-',-.('-*+(7.,-';30.*('7/)'2.0'1.
3+/0('(7'9:7'3'(24'+'-0.'+.3/0(1.3('07.+64'7.-.)(/-4
E9('/)1**'3'('(*-/38*&/*+-'1'(1.'('(1.'2(/3.)'24
(7.+/;'9-'+(7. 1,.-'-M'-'24'(7.'(.39-.'+*'1.'+(7.
'++0.*3'(7./6/(3.*.-;0. 7.-/38*&707'(7.'+'93).-'+
/+/1647/)'&'324'++0/6*.-;0.'7*).*0.3)/3(*'*(-';.
('):3+4'24'/(((/333:'*(66'7:7.-',6/0.'3'(7. 1,.-/6
7.-/-074N (7'(7.'1/**'+'(7.'*.3/('-/6'06/**'(7./12('3
'+'++0.'*,-/3:'-/(7.-'+-'1',.-*'3/6'-'+/164';/3(4'(7/3'
+-'1'(7.')."7.'+'-./6','&.- 7.',-.+.0('+'(7.=/96*'&/*
/':-./('.'(.3(/(.N'&.6)3:'/'+/-':-./(.-','&.-'(7/3'(7.
1'3/-07'+'(7.'6/-:.*(1').1'9-',./3'*(/(.'.('(7.
0'3*96*7,'&707'7/)'+'-'1/34'/:.*'2..3'/',9-.64''-3/1.3(/6
):3(4'-/38.)'3';-(9.'+'(*/30.3(:6'-.*'+/-'/2';.'(7.
:-./(.*(',-.+.0(9-.F/3)'(7.*'3'+'/',-.+.0('(7'9:7(7/(7.
&/*'/('30.'Q7'3'9-3:'/3)'*9-,/**3:'7*'+/(7.-'24':/33:'
(7.'*7/)'&4')3(4'+'(7.'0'3*96*7,M
.(('1/4'2.')'92(.)'&7.(7.-'(7.'/**.-('3'*'/2*'69(.64'
(-9.'(7/('/66'0/,/0(4'+'-':';.-31.3('3'(7.'9,,.-06/**'7/)').)'
'9(N .'83'&'6((6.'+'(7.'/0(9/6'3+69.30.''3':';.-31.3('
.5.-0*.)'.;.3'24'(7.':-./(',-.+.0(*'+'(7.'++(7'0.3(9-4'
E9('&.'0/3'+'-1'*'1.'0'30.,('3'+'(7.'-/3:.'/3)'3/(9-.'+'
(7.-')9(.*+-'1'(7.'1,.-/6')..'7.',-.+.0('+'(7.='/96*'
7/)'(7.'+3/30/6'/3)'%9)0/6'/)13*(-/('3'+'(7-..':-./('
0'93(-.*'3'7*'/3)*N'/3)'(7.'0'3(-'6'+'/391.-'9*'2')4'
+'++0/6*'6(7'9:7'+-'1'(7.'(1.'+'3*(/3(3.'(7.
,-.+.0(7/)'3*'16(/-4'0'11/3)'7.'7/)'(*',-';).'+'-'(7.

M"'*''A'A'C'RQC'CD@)'?)N'L?@CDLQQC'@?C)'F)P)D'
)CPQN'DF'PD@DC'DFL)D''J?ED?TC'5))F?@'?''A'@''
H'A')@E'W'MD'EC@L?@'C'CM)OFT'E)#@'KD#DD@'CD@)?)F')@E'LQ)F
DC)DC''9'ED'?QF)@PDC'8,'?,-'%0'O'GH['8Q)T''O'G_B
')5''H''B
''CM?QFE'KD'DNDNKD DE'M)'MC'O D DL Q D'@'LFQEDE'7)@')@E'O)@'
)C'#DFF)C'J)QF'O?OD
'?'*''B'G'E D CD'?QFN@)'E P@)QN'L?@CQF)Q'LDED D'''ED'
LDN N@)'L',QC?@'.'?,')E'@'E?@')5''GB'e''Q'C LQ'@?C
Q)NRQD')NF)N'@?C)N'O)D DL'?)N'@)@L'D)N'O)L)N'DE'
E E NQC'')'OC'RQ)N'CQCL O Q@'O)L)N')L)@'L?@CQF)DN

$8D'?QF)@PDC'8*!'?'O'AA['F)'LF))CD'C@)?)FD'DFFD N ND'
N)@RQD'ED'DCO'ED'P?Q DNDND@

$0@'MD'O?#D C'?'MD'5D?)@'O DX DL'CDD'J?ED?TC'DE'?'"'*''?F''
O''')E@'\-?)'5)D DL?QN'^'L'-?)'8P'DE'7??S@P''''
G')@E'G[B'#MD D'MD'9?NQF)'5)L'5)D'C'P D@'9)Q DF'%'',
?,-''O'W<G'8Q QT''O
G<_

0'1 1 **/- /(' '+(7.'6.: '3*' C9/-(.-.)' 3' 7 *' ,-'; 30.' .'7/)' /6*'' (7.' *9,.- 3(.3).30.' '+' (7.' :-./(' -'/)*' /3)' (7.' ,'*(/6' *.-; 0.'L .'7/)'('' /); *.'*92'-) 3/(.' 1/: *(-/(.*' '3' C9.*('3*' '+') + E096(4' /3)'('' 7./-' /,,./6*' +-'1' (7. -').0 * '3*' 2';.' /66' 7.'.5.-0 *.)' .3'-1'9*',' &.-*' ';.-' (7.'6.;4 3:'' '+' (/5.*' /3)' (7.' &7'6.' + 3/30 /6' *.-; 0.' (' &/*' 7 *')9(4' /(' '30.'('' *.09-.' +966' /3)' -.:96/-' 0'66.0('3' /3)' ('' 07.08' ;.3/6 (4' '-'',,-.** '3' (' &/*' /6*'' 7 *' 29* 3.**' ('' : ;.')9.',926 0 (4' ('' / '.) 0(*' '+' (7.' 1,.-'-' /3)' 3' (7.' +-/1 3:'' '+' (7.*.' .) 0(*' (7.-.' *' 3'') '92(' (7/(' (7.' *9::.*('3*' /3)' /); 0.' '+' /' :';.-3'-'7/)' :-./(' &. :7(' 7.' ;/*(' 1/07 3.' 7/)' ('' 2.' 8.,(' -933 3:' /3)' /34').+.0(' 3' (*' &'-8 3:' 7/)' ('' 7.' 2-'9:7(' ('' (7.' 3'(0.' '+' (7.' 1,.-'-' 3' (7.' +(7' 0.3(9-4' (7.' 6 1 (*' '+' (7.' :-./(' ,-.> +.0(9-.' '+' (7.' .*(' &.-.' *(./) 64' -.(-./(3:'+-'1' (7.' (6/3(0' ('&/-)*' (7.' .) (.--/3./3' .(' (7.' /35 .(.*' '+' (*' -96.-' 19*(' 7/;.' 30-./*.)' /*' (7.'(1.*' :-.&')/-8.-' 3' (7.'0/-..-' '+' '3/3(9*' .--.'69*' '3.' '+' (7.' +- .3)*' '+')'3 9*'&.'7/;.' /3' .5/1,6.' '+' /' ,926 0*, -(.)' 3'26.' /3)' /' 2.3.;'6.3(' /3)' ;:'-'9*' :';.-3'-' 6'3:' & (7' ; (9*' 7.' 2'-.' /' +'-.1'*(' ,/-(' 3' '-:/3*3:' (7.'93(.)'-.**(/30.' '+' ='(7' /3)' '1/3' ('' (7.' 93' 3;/*'3' 3' VX!' 3)' 7.' *:3/6*.)' 7 *' (.39-.' '+' '+ 0.' 3' VX?' 24' 6 :7(.3 3:' (7.'29-).3' '+' (/5/('3' 3' (7'*.') */*(-'9*' 4./-*$ 7.' 6/(.-' '1/3' ').' 2./-*' & (3.**' (' (7.' *(-.39'9*' .++'-(*' '+' 1/34' 7 :7 1 3).)' ,-.+.0(*' (' 07.08' (7.' :-'& 3:') *'-:/3 */('3' '+' *'0 .(4

7.-.' 0/3' 2.' 6((6.')'92('7'&.;.-' (7/(' 3' (7.' 3(.-;/6' 2.(&..3' 9*'3 9*' /3)')'3 9*' (7.' 6';.' '+' 0'93(-4' 6+.' 7/)' 30-./*.)' /3)' ,926 0*, -(' '-' /12('3' &/*').06 3 3:' /34' '+' (7.' 7 :7.*(' 06/**' &.-.' 2.0'1 3:' 1.-.' +/-1.-*' '3' /' 6/-:.' *0/6.' /3)' 0/-.)' +'-' 6((6.' .6*.' (7/3' (7. -' +6'08*' /3)' ; 3.4/-)*')'3 9*' &7'' 7/)' /3' /61'*(' -.6 : '9*' +/ (7' 3' 7 *' '-).-' /3)' &7'' -.:/-).)' 7 1*.6+' /*' (7.' :9/-) /3' '+' /(3' 096(9-.' 3' /3' /:.' '+').0/).30.' &/*' -.;'6(.)' 24' (7 *' -.(9-3' ('' (7.' -9).' /3)' *'6 (/-4' -9*(0 (4' '+' /3'./-6 .-' (1.' .' &/*' /6*'' /6/-1.)' 24' (7.' ,/** '3' +'-' 1'3.4 1/8 3:' &7 07' '+(.3' /00'1,/3.)' *907' (/*(.*' .;.-/6' '+' 7 *' 6.((.-*' /-.' &-((.3' ('' -.0/66' *907').:.3.-/(.' 3'26.*' ('' (7. -' (-9.' 6+.' /3)' ;'0/('3N' $)' '3.' 3' ,/-(096/-').*.-;.*' 3'(0.' +-'1' (7.' 2-(7' /3)' -/38' '+' (7.

' 'GA' (, ' 'WG<' 9)Q DF' 33 ' ' ,'",- ' ' 'O' AA_
')5' 'G '% 'G<' 'B

,.-*'3 ('&7'1 (**/))-.**.)$ 4/:-9*2.6'3:.)('''3.''+ (7'*.= /66 0+/1 6.* 3&7 07 7 :7''++0.&/* ,-/0(0/664 7.-.)(/-4' .&/*:-./(:-/3)*'3''+ (7/(' 4/:-9*&7''&/*'0'3*96 3?"!'&7''&/*/'0'--.*,'3).3(''+ 411/079*N /3)'+-'1'&7'*.')/9:7(.-' '3/3(9* .---.'69*N (7.':-./(.*('+=/66 0'3'26.*'&/*).*0.3).)' 7.' 4/:-'&.-.'0'33.0(.)' &(7'(7.') *(-0('+ 4'3*'/3)'(7.-'+/1 64'.*(/(.'6/4'*'1.> &7.-.'3./-' 9(93' 3'(7.'3.:72'9-7'')''+ (7.'E9-:93)/3*' 7.' 4/:-9*'+ (7.'(1.'+)'3 9*'7/)'+/66.3'/&/4'+-'1' (7.'.5/1,6.''+7*'/30.*('-*'/3)'+-'1'(7/(').6'+/-*('0-/(0' 6+.'&7 07'&.'7/;.'/((.1,(.)'('').*0-2.' -/3.)' 3'/66' (7.' 6(.-/-4'/-(*'+'(7.'=/66 0'*07''6*'7.'7/)'*('',.)'('' 6./-3' (7.' 6/3:9/:.''+'(7.'0'3C9.-'-*' 3'&7 07'7.'7/)'/0C9 -.)'/'+/0 6(4' &7 07'1';.*'(7.'*/-0/*1''+)'3 9*' E9('7.'7/)'*938'.;.3' 6'&.-'(7/3'(7*' .'7/)'+'-:'((.3'(7.'6'3:'6 3.''+'7*'/30.*(-/6'):3(.*'/3)'7*')9(4'('7*'0'93(-4'/3)'29-.)'7 1*.6+' 3' 7*'-9-/6',-',.-(4'&(7'3''/12('3'2.4'3)'(7/('+':-'&3:' +3.'0-',*'/3)'30-./*3:'7*'30'1.' 4/:-9*'1/4'7/;.' 2..3'/').:.3.-/(.'3'26.'29(''(*'/6*''','**26.'(7/('7.'&/*' /'*7-.&)'*.3*26.'1/3'&7''*/&'(7.'7'66'&3.**'+'(7.'*'0/66.)' /12('3'+'7*'06/**'&7''-/(.)'07./,'(7.'Q'7'3'9-*'R'+'/' ,'&.-'3''6'3:.-'/26.'('').+.3)'(*'0(0.3*'/3)'&7''(7'9:7(' (7/('7*'.3.-:4'1:7('2.'1'-.'9*.+9664'.5,.3).)'3'096(;/(3:' (7.'+-.3)*7,''+'7*'=.-1/3'3.:72'9-*'/3)'3'(7.'1/3/:.> 1.3('+'/':-./('.*(/(.'&('7'(*'0-'&)''+*.-+*'/3)').,.3)/3(*' (7/3'3',6/43:'2/66'/3)')0.'.507/3:3:'-.,/-(..*''-' /,,6/9)3:'&('7':-'(.*C9.'.5/:::.-/('3'/'6(.-/-4'3.:72'9-<* +..26.'1(/('3*''+'/'(/(9*'-'90/3 ('&'96)'2.'93+/-'7'&.;.-'('')'39*'(''-.,-.*.3('7 1' /*3)++.-.3('('(7.'0'11'3,6/0.')9(.*''+ :-./('6/3)7'6).-' 3)..)'(7.'!,''-'*.3/('-/6'.*(/(.'19*('7/;.').1/3).)' *'1.'/((.3('3'+-'1'/34',-9).3('&3.-' 7.';6609*''-' ,-'09-/('-'&/*''+(.3'/'1/3''+'*.-;6.''-:3'/3)'(7.

'V H'%MD'DC)D'?'%)?@@)LQC M)D'KDD@'@'MD'@D PMK?Q M??E' ?'?CC?@C' 9?N''B')OOD)C'M)' T)P QC'#)C')'N)C D'?'JD N)@ '@'MD'@EDU'?'3 D Y?M)@@C'DE' ?''0-'MD'T)P QC'?''<'C C)E'?'KD)MD'?'MD'T)P QC'@' 'H'7Q'1 P@D')@E'M)U'b'G_H' GHI'')D'O ?K)KFT'PM'@'D)@P MD'FD D C')C'EE DCCDE'?'MD'C)ND' OD C?@'MD'C?@'?'.P E QC'O@'9F)',)@QC'T)P QC'L?C'WHG'L',N @' 1)L'UU 'A'I'DDLS C'2 ' LU''/)QCLMD@', 1'O'HB'E')5'G_'??@E ? QN'T)P '??@' CQF C \'E')5'',)@'T)P ' L?@CQF C'D F)'@DO?C''I''GA

7.')'* /3 ').6./;.* (7. 1,-.** '3 (7/(((7.*./:.3(* 7/) ('7./0/-.+9664 &/(07.) $ 6(7'9:7 (7. *.3/('-/6.*(/(.* 3 =/96 .-. ,-'2/2643 3.;.- .C$9/6 3 .5(.3((' (7'*.;/*(,3- ,& 707 &.-. (7. -9 3 '+ (/6/3 79*2/3)-4M 4.((7.4 &.-. '-) 3/-64 '+ 0'3*).-/26. /0-./:. 9*'3 9* 7/) /,/(-1'3/6.*(/(.3./-E/O/*&707 7.).*0-2.* 3 1').*((.-1* /* / ! ! ,'-0-< . ((0'3**(.) '+ 1'-. (7/3!AAA /0-.*'+ &707 [AA &.-./-/26.6/3)'!AA ;3.4/-) XA 1./)'& (7. -.*(2.3:& '')6/3) 7. .*(/(.* '+ (7. +-.3)* '+)'3 9* &.-., -'2/2643'+ +/-'6/-:.-.5(.3((7/3((7/(' +(7.,'.(' +E'-)./95 7.3./-.*(/,,-'/07('/34 3)0/('3' + (7.-* O. * 0'3(/3.) 3 /6.((.-).*0-23: (7.)'1/3* '+ ,' 3/-* /3) .--.'69*$ 7.4 /)%' 3 '3./3'(7.-/3) (7.)*(/30.2.(&..3 (7.(&'1/3*'3* *-/(7.-6'3:+'-/ &/68'29(-/(7.-*7'-(+'-/-).'3 7'-*.2/08 7.:-./(3'26.'2'(7 3 =/96/3) (/64''+(.3,'**.**.) 1/34'+(7.*. .*(/(.* 3) ++.-.3( )*(-0(*'-.;.3 3) ++.-.3(,-'; 30.* 7.6/3)* '+ /96 39*&707 9*'3 9*).*0-2.* /* '-./61*R &.-.&).64*0/((.-.)/3)'&7.3''3'7 *)',('3'+(7./*0.(0 6+.(7.4 &.-.*'6)'Q(7.4 &'96)',/**R /00'-)3:('9*'3 9* Q 3('(7./7/3)* '+/ 793)-.)'1/*(.-*RN

(* 07/-/0(.-*(0 '+)'3 9* (7/(' &76.7.7/* 6.+(9* *.;.-/6 ,0(9-.* '+ :-./(1/3*'3*7.3.;.- : ;.* .;.3 / :6 1,*.'+(7.'-:/3*/('3'+ /3.*(/(.' .((7. ,'96/('3 '+'(7.*.)'1/3* +'-1.)' 3 (*.6+ /'0'1,6.(./3)' /61'*(*.6+'*9++0 3:' 0'1193(4N 7.:-./(7'9*./7/)' 3 (* 11.)/(.3.:72'9-7'')' ;66/:.* &707 &.-.'009,.)' 24).,.3)/3(* '+;/-'9*:-/).*G *6/;.* '-+-..)1.3'0'6'3 /3)' +-..'(.3/3(*'*'1.''+(7.1''-) 3/-4'6/2'9-.-*''(7.-* ,/43:'+'-' (7.-'7'6)3:* 2'(7 3'1'3.4'/3)'/'*(,96/(.)'/1'93(''+6/2'9-' 7.'29 6)3:* +'-'(7.'*6/;.*'(7.'*(/26.*'/3)':-/3/-.*'(7.'1 66' (7.''6;.'/3)'& 3.,-.**.*'& (7'(7.'&'-8*7',*19*(7/;.'+'-1.)' '3'/3'.*(/(.''+ /34'1/:3(9).'/'6((6.('&3').1/3)3:/' :''')').//6''+1/3/:.1.3(/3)'0/-.+96'*9,.-3(.3).30.' 7.' *9,.-+69'9* 30'1.''+(7.-07'1/3'0'96)'3'(7'*.')/4*'+3)' 3;.*(1.3('3645'3'6'/3*''3'1'-(:/:.''-'3'(7.',9-07/*.''+

('*'U'W['A' 'W['A ?DL)' PDC) ?' ODE ?N' F)CC)' @DRQD' '9'ED' N F)@PDC'8 .-'?O'H< CQ L'DRQ)Q ? ',QC?@' 2 ' G[',Q ?@')5'A 'GGB ')5' I'O)DE ? QN'M C?Q)'L?@' \'9'ED' ?QF)@PDC'8 .-'OO'H_ D N @)'E?N L4)' L@)'RQ KQC' @ D

'(7. ,-',.-(.* '- 3 /)) ('3*(' (7. -.*).30. '+(7. +/1 64 $ E9 6) 3: &/* '3. '+ (7. ,/** '3* '+ (7. '1/3 /-*('0-/(M 7. *(.1 9(6 (/- /3 /-07 (.0(9-. '+(7. +'-(+ .) ('&3 (*3 ' *. /3) *C9/6'- -.,.66.) 7 1 3 7 * '9+, 6/3)* 7. :/;. / +-.. -. 3 (' 7 * (/*(. +'- 2./9(4 '- 6959-4 7. *(.* '+ (7.*. /30 .3(0'93(-4 7'9*.* *..1 (' 7/;. 2..3 :.3.-/664 07'*.3 +'- *'1. 3/(9-/6 2./9(4 '3 (7. &'').) 2/38* '+ / -;.- '- / 6/8.)'((.) & (7 *6/3)* '- /((7. +' ('+ / *6', 3: 7 66 & (7 /,-'*,.0('+'-.*('1./)'& '- -07 096(;/(.),6/3)'3 9* 1 (/(3: '3. '+ 7 * +/;'9-(. 1').6* 7/* 6.+(9* .6/2'-/(. &'-) , 0(9-.* '+ *'1. '+(7.*.:-./(7'9*.* 3 9;.-:3. '3(7. =/-).3 '- /(/-2'33. '- 3(7.3.:72'9-7'') '+ E'-)./95 * '&3 7'9*. &7 07 0/1. (' 7 1 24 7 * 1/--/:. & (7 (7.)/9:7(.- '+(7. 1,.-'- ;(9* *).6 3./(.) & (7 / 1 39(. 0/-. &7 07 -.;./6* 3 .;.-4 6 3. / ,/** '3/(. 6';. '+ (7.).6 :7(* '+ -9-/6 6+. /3) *0.3.-4N '1 (9* / ,-'+.**'- 3 (7.3.:72'9-3:0'66.:. '+ 9;.-:3. * 3;(.) ('6./;.(7. 7'(06/** -''1 /3) (7. 3/--'&*(-..(* ;.3 3 912-/:.'9* 9;.-:3. _(7. &'-6) * '3+-.RF (7. :-'93) * *./1.) /3) *0/--.) & (7 :/, 3:+**9-.* (7. 19) * 7/-).3 3: 3 (7. 2.) '+(7. -;.- &7'*. +/ 6 3: 6/3:9) *(-./1 7/-)64)-/:* (*.6+ /6'3: E9(3 (7. -.(-./('+ ;(/09 1 (7.-. * (7. *,-./) 3: 0''63.** &7 07 (7. 29 6).-<* /3) (7. :/-).3.-<* /-(* 0/3 & 3 +-'1 3/(9-.;.3 3 (7.)':)/4* 7. 1/3* '3 7/* / 2-'/) +-'3(/:. 2'(7 (' (7. 3'-(7 /3) (7. *'9(7 :6.3 +6/38.) 24 (&'' 6 3.* '+ 7 * ',.3* '3 (7. *'9(7.-3 6/&3 2.+'-. (7. ;.*(296. (7. *'9(7 &.*(.-3 0'1.- /-. (7. 2/(7* O6'*. 93).- / &'')O6/) 7. :7(+-'1 &7 07 (7. +.66.) (12.-)-',* /((7. ;.-4 1'9(7 '+ (7.+9-3/0.* 7. 7./(.) &/(.- *0/--.) /6'3: (7. &/66* 24 6./).3,,.* 7.-. /-./66 (7./,/-(1.3(* +'-6959- '9*2/(7 3: 2- 66 /3(64 6 :7(.) & (7 &/66* '+ :6./1> 3: &7 (.3.**/3))'1.) -''+* -.*(3: '3 :-/0.+96 0'69 1 3* .3) 3: 3 (7. 5 . , &7.-. (7-'9:7 09- '9*64 *096,(9-.) 7./)* '+6 '3* (7. 0'6) &/(.-+-'1 (7. 7 66*). -9*7.* (9 1 96(9

 %MD F)# E CL?Q)PDE)E @P @ MD CD@) ?)F LF)CC (' *] G < LQN O? ? QN RQ CRQD)Q N CLD D CD @DP?) ?@ @?@ EDKD))Q OD@C) ?Q?N I FQC)F C L?4) ?" RQ?E M?@DC)C O?C QF) O NQC)P@?CLD D U G H @ #M LM D@D) ? DC) D K ?QPM Q@ED MD FQC)F C L?4) ?b

J?ED ?T C @? D)@E E)5 A " ('* WW 'F N @P MD) D?' @ D DC '#M LM CD@) ? C L?QFE DU)L)5 7 GG 7Q FE @P # M E CX L D ?@ C ?@D ? MD F)QE)KFD ?LLQO)X ?@C ? MD @?KFD E)5 A 5F @)5 G_

'9*64' 3' (7.*.' &/66*' 3''' (/6.' '+' &/3('33.*/' *' +:9-.)' /6(7'9:7' 4'9' 1/4'*..'*'1.'.,:-/1' '3.(7.-' :'')' .3'9:7' ('' 1/8.' 4'9' -./)' (' /:/3' 3'-'*''2/)' /*('') *:9*(' 4'9' & (7' (7.' -./) 3:R' /-)' 24'/-.'(7.'6/) .*<-''1'/3)'(7.'*, 33 3:-''1' '+'(7.'1/)*' +(.-'(7.*.'4'9'+3)'4'9-*.6+' 3'/'6'3:'0'6'33/).' 6''8 3:''9(' '3' (7.'6/8.'&7 07'6 .*' '3' (7.' ./*(.-3' *).'.1> 2'*'1.)' 3' &'')*' /** 3:' (7-'9:7' /' 6'3:' :/66.-4' '3' (7.' *'9(7' 4'9' &'96)'-./07'(7.'& 3(.-') 3 3:-''1'& (7' /'07..-+96' 26/O.' 3' (7.';/96(.)'07 13.4' 3)'+-'1'(7/(' 4'9' 1/4'.3(.-' /' *1/66.-' */6''3' & (7' /' 2-'/)' *(/ -0/*.' 6./) 3:' 9,' ('' /' ;.-/3)/7' &7 07' ';.-7/3:*' (7.'6/8.' &7.-.' (7.':9.*(' /*' 7.' 0''6*' 7 *' (7 -*(' 1/4'&/(07'(7.'+*7.-1/3'29'4 3:'7 *' 3.(*' -' 4'9'1/4'(/8.'/'* .*(/' 3' /'07/12.-'*0-..3.)'+-'1'(7.'*'9(7.-3' 7./(*'&7.-.'(7.'0 0/6/' 3' (7.'7'(' 3''3( ).' '-' (7.'3 :7(3:/6.' '3'*911.-'.;.3 3:*' & 66' 6966' 4'9' ('' *6..,' &7 6.' (7.' *7..,' 2.66' /3)' *7.,7.-)<*' , ,.' *'93)' +-'1' (7.' 7 66*).')'3 9*' & (7' /66' 7 *' 0'3;.3('3/6(4' 0/33'(' -.,-.**' /' 3/(9-/6').6 :7(' 3' (7 *' +/ -46/3)' '+' &'')6/3)'6/8.' /3)' 2''84' *6.(' (' *' *''' :-..3' /3)' 0''6' /',/-/) *.' '+')466 0'(-/3C9 66 (4' 3)'4.(' 7.').*0-2.*' (' 3' /' .9,79*1' ,-'2/264' (7.' 1'*(' 09-'9*64' /-(+0/6' 3' &7 07' :.39 3.' +..6 3:' &/*' .;.-' .30/*.)' 7.' 1/*(.-' '+' (7/(')'1/3' '+' &7 07' 7.' *..*' (7.' 31'*(' 07/-1' * (*' 3' 7 *' ;.-/3)/7' /2';.'(7.'6/8.'0' 3 3:',7-/*.*' &7 07' 7.' 3(.3).)' ('' .50 (.'(7.'/)1 -/('3'+',*(.-(4'29(' &7 07' &'96)' 7/;.' 1';.)' (7.'-) 096.''-') *:9*(' '+'(7.'1/*(.-*' 7.' /)'-.)

3.' '+' (7.*.' 0'93(-4'*./(*' &/*' ;.-4' 1907' 6 8.' /3'(7.-' 7.4' /66' 7/;.' /,/-(1.3(*' +'-' *911.-' /3)' & 3(.-' 2/(7*' :/66.-.*'6 2-/-.*' '1.(1.*'/*' 3' (7.' 0/*.' '+' (7.' E9-:9*' '+' .'3(9*$' (7.4' /-.'*(-'3:64'+'-(+.)' & (7' /66' (7.' /-(' '+' (7.' .3: 3..-' (' *' 06./-'+-'1' (7.' /--/3:.1.3(' '+' (7.*.' 7'9*.*' /*' &.66' /*' +-'1' (7.' :.3.-/6('3.'+' (7.'6(.-/-4'-.1/ 3*' '+' (7.' ,-')' (7/(' (7.-' '&3.-*' ,/**.)' (7.-' 6;.*' 07 .+64' 3' (7.' 0'93(-4' E9(' (7.-' *'6(9).' &/*' 2-'8.3' 24' 0'3*(/3(' 0'--.> *,'3).30.' /3)' 24' +-.C9.3(' ;*(*' ;.3' 3' (7.' (-'926.)

' E' (, ' UU ' GG_

' ' ' @?@' FF?C' N)LM @@' NQ ?C' @?@') DC' @?@')F)'C QD)' DF' O ?U NQC' 0;/?' @?@'RQ)D'C EDQ DC' ? QD 'L))OQF)'@ ?F) D)')DE' @DL' DC QE?' @DL' @L)' @DL' ?)'LQ ?Q)

V)N'O?) C')L)FFC'Q@RQ)N')Q)HC)@)FDKQ@' 5?@ QC' 5)@F @QC' #M?' M)E' KDD@' 5 D' ?)@' O D DL' @' MD' D P@'? ' ?@C)@X

@D' N! 'VQ4)@C' O ' O' GAH"' #)C' MD' KQ FED ' &D' #)C' O ?K)KFT' MD') MD' ?' ' 5)QF @QC' ?' ?F)' #M?')FC?' K? D' MD' @)ND' ? ' 5?@ QC' ' ? ' ,QC?@')5' A ' G[W' 1 P@D' ? ' ' U '?' G'e'W ' F) U' ' ' ' AAA' 3QD Y?M)@@C' DE' ? ' ' 0 ' @E' 5) C' , !

4./-*' &6 07' +'66'&.)' (7.' /00.** '3' '+' 9- '$' /6(7'9:7' (7.' -'/)*' &.-.' 3'(' /6&/4*' */+.' +'-' 0'9- .-*' /3)' (-/;.66.-*N' &7''&.-.'6 /26.'('' 2.'*(',,.)' /3)' C9.*('3.)'0'1193 0/('3' /1'3:'(7.' 1.12.-*' '+'(7.'=/ ' '1/3'/-*('0-/04'&/*'3.;.-' 0'1,6.(.64' 3(.--9,(.)' 7.' :-./(' -'/)*' &707' ',.3.)' 9,' (7.' 0'93(-4'+-'1'(7.'+-*(' 0.3(9-4'0'96)' 2.'(-/;.-*.)'-/,)64' 24'0/-- /:.*' E9(' (7.' :-/3)'*. :3.9-'' '+'(7.'(1.' :.3.-/664' ,-.+.--.)' ('' (-/;.6' '3' 7'-*.2/08' &(7' /' 391.-'9*' *9(.' (/-(3:' 3' (7.' 0''6' '+'(7.' 1'-3 3:'7.' &'96)' 7/6(' /(' 3''3' 3' *'1.' *7/)4'*,'(' 2.*).' /' *(-./1' &7.-.' 7 *' *.-;/3(*' *.3(' '3' 3' /);/30.'7/)', (07.)' 7 *'(.3(' /3)',-.,/-.)'(7.' 1))/4' 1./6N' 7.' 33*' &.-.',-'2/264'+.&'/3)'/00'-) 3:'('')'3 9*' (7.4' &.-.' 2/)FM' 29(' (7.' /-*('0-/(0' (-/;.66.-' 0'96)' ./*64' /--/3:.'/*'/'-96.'('' 2-./8'7 *'%'9-3.4'/(' 3 :7(+/66' /(' (7.' 7'9*.' '+' *'1.'+- .3)' 7.' 1/:3.)'-'9(.'+'(7.'2*7',<*',.'1*' +-'1' 9;.-:3.'('' /-2'33.N'+'66'& 3:' /' &/;.-3:'6 3.'+' 0'93(-4'*./(*',-'2/264'-.,-.*.3(*'1/34'/'('9-'+';*(*'1/).' 24'(7./9(7'-' ⇵ 3''3.'+'(7.*.'.509-*'3*')'3 9*'+'93)'7 1> *.6+'30.' 3' (7.' 3.:72'9-7'')'+'(7.'(&'':-./(';66/*'+' '-'/3:9*' /3)' -9*/391'3'(7.'2/38*'+'(7.'=/-).3'3./-' 63$.*' 7.-'&3.-*' '3/3(9*'.--.'69*' /3)',' 3/-*' &.-.'/1'3:'7*').//-.*(+-.3)*' 7.'.*(/(.*/)%'3.)'3.' /3'(7.-'/(' (7.') *(/30.'+' /'*7'-(' -).M' ,' 3/-*' /3)' .--.'69*').(/3.)'(7.-'+-.3)'+'-'/'&..8'/3)'7/)'/3' /1 0/26.'0'3+6 0(' ./07')/4'+'-'7*'0'1,/34' ('&/*')++096(' (').0).'2.(&..3'(7.'/((-/0('3*'+'(7.*.'(&'',-30.64'*./(*' 7.':/-).3*'+' ,'6 3/-*'&.-.'+'/61'*(+/296'9*'2./9(4' /3)'1 :7(7/;.'-;/ .)'(7.'1'*(').6 0'9*'*0.3.*'3'(7.'&'-6)' '+'6.:.3)'-'-'1/30.$' 7.':/-).3.-<*'*8 '7/)'(-/3.)'(7.' +'6/:.' 3(''.307/3(3:'2'&.-*'&7.-.'4'9' 1 :7(')-./1' /&/4'(7.'7'(7'9-*'+'3''3' 3'(7.'(7.-'7/3)'(7.'7'1.' '+' .--.'69*'++.-.)','&.-+96'/((-/0('3*'+'/'7 :7.-'8 3)N' (*

' &D'CQLLDDEDE'%MD?E? L' '@' BB')@E'F DE' FF' HW'?' H<' '9)Q DF' 'W _'' 3QD Y?M)@@C' 0 'O' GH ')5' ' ' U'B' 'GA ' QLM')'E)TC') DFF @P' C'EDCL KDE')5' 'H' 9?') DFF @P' KT' D'CDD' 'GA' L',@C?@')5' '< ' GG' @D' C'EDC Q?'E?N?' @DP) D'N?D D@C')E'N)E E)C'D) @')KD ' @)C'D L

' (, 'UU $)5' 'I' M) U' 'AG[' XX ')5' 'I',)LT@ KN@'D' -TC)N' LDFDK) D' O?D) QN' L) N @ KQC' YQP)' LD@CD)C' (, 'UU '< _' 7LQ' FD ?'O? C'CODLQ'R FDCL' L?F' C'N) F @D'RQ)' @DQ N'@)F O%) @' @))N' F) ?OQ K LQN'F)K? ? 7' @?@'FQLQN') FU KQC')L 'CDE')@ N @ ')5' '_'%?@)@ QC' 9D D?FQC'#)C' 5 D ?)@'O D DL' @' <W

, ' * (' 3 ' +] ; ' 3.3 & / * ' 6 ' & . - (7 / 3 (' & / * 3 (7.) / 4 * ' + (7. , / : / 3 6 34 ' - ' + (7. *. 1 , / : / 3 9 * ' 3 9 * $ 7. - . + . - . 30. * (' & ' 1 . 3 3) ' 3 9 * / - . 3) . .) * 0 / 3 (4 ' 79 (' (7 . 4 * 7 ' & ' (7 / (' (7.) . / 6 ' + + . 1 / 6 . ; - (9. / 3) 096 (9 - . & / * 7 : 7 3 / 6 . ((. - ' (' / + - . 3) / 2 ' 9 (' (' ' 2 . 1 / -- .) N 6 . , ' 3 (* ' 9 (' 24 / ' 6 ' 3 : * . - . * ' + / 30 . 3 (' . 5 / 1 , 6 . * ' 7 ' & ' & ' 1 . 3 1 / 4 7 . 6 , (' ' * 9 * (/ 3 (7. 6 (. - / - 4 / 1 2 (' 3 ' + (7. - ' 79 * 2 / 3) * 3 (7. + / 1 64 ' + / : 39 * ' + / - 2 ' 33 . (7. 6 /) . * & . - . 2 ' (7 , ' 9 * / 3) / 00 ' 1 , 6 * 7 .) / 3) 96 / 6 / / 0 ' 9 * 3 ' +) ' 3 9 * ' & 7 ' & / * 1 / -- .) (' / * ' 3 ' + (7. 7 ' 9 * . *) . * 0 - 2 .) / * / ; . - 4 3 . - ; / N 3 (7. 6 2 - / - 4 ' + -9 * / 39 1 ' (7. - . & . - . * 7 . 6 ; . * * ('08 .) & (7 - . 6 : ' 9 * 6 (. - / (9 - . & 7 07 / - . 3 (. 3) .) + ' - (7. & ' 1 . 3 ' + (7. 7 ' 9 * . 7 ' 6) $ 3 / 3 ' (7. - 6 . ((. -) ' 3 9 * * . 3) * / + - . 3) / 3 . 6 . : 4 ' 7 (7. ; - (9. * ' + / 4 ' 93 : 1 / (- ' 3 ' + 4 ' 3 * N & 7 ' * . / - 64) . / (7 & / * / , 926 0 . ; . 3 (/ 3) 1 ' 9 - 3 .) & (7 . ; . - 4) . 1 ' 3 * (- / > (' 3 ' + : - . + 24 (7. & 7 ' 6 . 0 ' 1 193 (4

7 . - . * 7 / -) 64 / (- / 0 . 3 (7. & ' - 8 * ' +) ' 3 9 * ' + (7 / (' 6 ' ' * . 3 . ** ' + 1 ' - / 6 * & (7 & 7 07 / 6 ; / 39 * 07 / - : . * 7 * 0 ' 3 (. 1 > , ' - / - . * 3 (7 / (' ; . - 4 , - ' ; 30 . (' & 7 07 * ' 1 / 34 ' + (7. + - . 3) * ' +) ' 3 9 * 2 . 6 ' 3 : .) 7 . - . * 3) . .) * ' 3 . 6 . ((. - N (7. (' 3 . ' + & 7 07 - / (7. - * (/ - (6. * 9 * 3 / 2 * 7 , (' - . + . - * (' (7. - - . : 96 / - 0 ' 33 . 0 (' 3 ' + / 4 ' 93 : 3 ' 26 . & (7 / * 6 / ; . : - 6 7 . 1 * (- . ** * (- . / (.) & (7 6 ' / (7 3 : / 3) 0 ' 3 (. 1 , (' 29 (' (7. 4 ' 93 : 1 / 3 * / 2 * ' 6 ; .) - / (7. - . / * 64 ' 3 (7. * 0 ' - . ' + 1 ' - / 6 * / 3) 0 ' 1 1 . 3) .) + ' - 7 / ; 3 : (7 - ' & ' (7. : - 6 ' ; . - / 3) * ' 0 ' 3 * 96 (.) 7 * - . , 9 (/ > (' 3 / 3) + ' - (93. * 1 / -- / : . & (7 / 6 /) 4 ' + 3 ' 26 . 2 - (7 * . . 1 * 3 (7. . 4 . * ' + (7. 2 * 7 , (' / ('3 . + ' - 7 * Q . -- ' - R 907 - / - . : 6 1 , * . * ' + * . 6 + 3) 96 : . 30 . 3 (7. 1 . 12 . - * ' + / - 07) 6 . / 3) 6959 - ' 9 * 0 / * (. & (7 7 / -) 64 / 34 , 926 0 3 (. - . * (* / 3) * 9 - - ' 93) .) 24 0 - ' &) * ' + * 6 / ; . *) ' 3 ' (. 50 (. 1907 * 9 - , - * . E 9 (' (7. , 0 (9 - . ' + / 23 ' - 1 / 6 / 3) ' 93 ; . - * / 6) . 2 / 907 . - 4 : ; . 3 24 / 6 ; / 39 * * / 2 * ' 69 (. 64 930 ' 3 + - 1 .) 24 / 34 (7 3 : 3 (7. , / : . * ' +) ' 3 9 *

3 (7.) . * 0 - , (' 3 ' + (7.) . 2 / 907 .) , / - / * (. 3) ' 3 9 * $

' 5F @ ') 5 ' (, 5 - , ' AB ' ' < ' , QC?@ ' , '] ' < ' L ' 9 ' ED' ?QF)@PDC ' 8 ! ' ? ' O ' AGA (' E ') 5 ' ' G[' (, ' UU ' I < K L ' C) DOD' . QF) F) D' ND) D' FDPD ' DL ?O) D' O) DC' 1 @D) D' N? DC' D ' P E ' CD@DC' D ' OCD' RQ?@E) N ' OQ OQ DQC') ?LD ' NDK) @

') 5 ' I ' C L ') ND@' RQ?E' RQ ' @ D ' N) ?@) @Q@' L) MDE) D' L?E LDC ' D) @ ' C FQC' M C' DF P ?CQC' @ D@ DK) Q ' D L (' _B ' H ' _B '] ' B ' L ' MD' O) CC) PD' @' MD') - . , , .0 ' #MD D' 5) QF @QC' COD) SC' ? ') ' C N) ' D ? ' ? ' M D' T?Q M ' @' MD' C) ND' ?@D ' ' GB< ' E ') 5 ' ' GH

&.7/;.3)..)/*,.0 1.3'+,74*0/6/3)1'-/6).:-/)/('3 &707.50(.*7'--'-/3)*:9*(+(7.7*7',.;.-:/;.7*+6'08 3(7.0/(7.)-/6'+ 9;.-:3./*.-1'3 3(7.*/1.*(46. ('19*(7/;.7/)/',&.-+96.++.0((*0'1,'*.)&(7(7. '2%.0('+&/-3 3:/4'93:-.6/(;.'+(7.7'--'-*'+(7./24**3('&7 07'7*6+.1 :7(,693:.+7.3.:6.0(.)(7.'6)-96.*'+0'3)90(.(3-./)3:(7., .0.''3.0/33'(7.6,+..6 3:(7/(('(7.6(.-/-4*,-('(7.*,-('+B9;.3/6/3)(7.*07''6-7.('-0'7/*,'**.*.)(7.&-(.- (*3*'1.-.*,.0(*/,'&.-+96, .0.'29('(7.,'&.-*(7/('+/1/*(.-'+&'-)*/3),7-/*.*&7''.596(*3 7*0'11/3)'+(7.1 7.-.*3''6:7(/3)*7/).F(7.&7'6.*26/08&(7(7.*1'8.'+(7.3+.-3/6*(-./1*M 7.-.'1/4'7/;.'2..3'(7.-.',-'2/2644&.-.').:.3.-/(. '1/3*&7'3 3/3 /:.'+;'6.3(/3)*9)).3'07/3:.'6'*(/66*.3*.'+*.6+-.*,.0(/66+..6 3:'+ '1/3')3(4/3) 7-*(/3')9(4/3)&7'')..(.-1 3.)('1/8.(7.2.*(' 3/*.3*9/6&/4'+/3/:.'+0'3;96*'3('*.66(7.-0'1,/(-'(*'('+6/((.-'(7.-3.&'1/*(.-*'/3)'(',9-07/*.':-'**',6./*9-.&(7(7.&/:.*'+(7.-(-./07.-4' 66(7*** ,-'2>/26.' .(&.'1/4'&.66)'92(&7.(7.-.;.3'3'(7.1'*(')*'-:/3*.)**'0.(4'*907'*,.01.3*'+9((.-'1'-/6/3)',74*0/6&-.08'&.-.'+(.3'*..3'/*(7.'6'/(7*'1.'&-.(07'&7'1)'39*7/*).*0-2.)'+'-.)+0/('3'/3)'&/-33:' 7.'6';.'+&'-),/3(3:**('''.;).3(7.*(-/3'/3)*(/-3:'0'3>(-/*('+;.-2/6/3((7.***/-.'('''1/-8.)'(':;.'3.'0'3+).30.'3'(7.'+).6(4'+(7.',-(-/('7.'2')4').+'-1.)'3'.;.-4'63.'/3)'+./(9-.'24';0.'26'/(.)'&(7'6959-4'/3)'.3.-;/(.)'24'.50.**'**).*0-2.)'&(7')*:9*(3:'/3)'.5/:.-/(.)'.1,7/**/*(7.'+(')&.663:'+/'+'96.-'/3)'9:6.-'*'96'7.'&7*,.-.)'*6/3).-'(7.':-'**'339.3)''(7./++.0(/('3''+';;/0(4'&(7'9('&('+1,'-(/30.'&(7'9(')*3(4'(7.'793:-4'./:.->3.**'+'-'/'7'*,(/26.'3;(/('3'0'123.)'&(7'+.:3.)'*743.**'3'/00.,(3:'(7.':-'**'/3)'2.*(/6 3)96:.30.'(7.'-/;.3'9*(7-'/(/3)'(7.';.3'1'9*('3:9.G /66'(7**&(7'1/34'(-/(*'&.'7/;.'*9,,-.**.)'**/',0(9-.'&707'&.'1/4'7',.'7/)'+.&'0'93(.-,/-(*'3'-./6'6+.

907'07/-/0(.-*'-/-.64'1..('9*'3'(7.',/:.*'+$)'39*

'$5''GW'N@@)'PD@'''''''DLDC')'O)FFE)'DFQ'OD'K?)C'MQ@@D'L)DQ)'RQ)D' TP)D' LD' QNK C'N)DC L))'F))FKQC O)FQE)' ?F @Q'F)L N)C'OD' D@DK)C

& '-6) &/ ,-'2/264C9 (./* 7-*(/3 3*.3(1.3(/3) 0'3)90(/* '9-''&3 (37.-(.)/6*''/*/**'0/6/3)6(.-/-4 (-/)('3/ ,-'+'93);.3.-/('3+'-(7.;-(9.*'+(7.'6) '1/3 07/-/0(.- (&/*'/2';./66'/*'0.(4)'1 3/(.)24 ,-).-.*,.0(+'-06/**+..6 3:/3)1,.-'9*:'')(/*(. +('(7.,-).3)+/*()'9*3.**'+(7.,'6*7.)3'26.4'9/))(7.-.*(-.93(*'+/0'66.0(;. 7-*(/3*.3(1.3('4'9 7/;./*'0/6('3.&7 07*3'(6 8.64 3:.3.-/6('2.,-'3.('-'**3)96:.30. 7.-.*3'(-/0.'+692-0(4'3(7.&/66*'+(7.1/3*'3*'-3(7.(.3(.-(/ 31.3(*).*0-2.)3(7.*.6.((.-*$ 8.(7.:9.*(*3(7.',- ,,'+/0-'29*$)'3 9*0'3:-/(96/(.*7*:.3.-/('3'32.3:1'-.).0.3((7/3(7.-/30.*('-*''&/3('3+-.*0'.*'3''*9::.*(;.)/30.* /3)*'3:*&'96)2.('6.-/(.) 7.+-.3)*'+)'3 9*$.--.'69* 0)0 9*'3*.3(9*/1,-)9*,'66 3/-*/3)/ 7'*('+'(7.-*'*..1('2.'3(7.&7'6./*-.:/-)*,-;/(.; -(9.,.-+.0(64-.:96/-/3)1 1.50.,('3/26.3(7.-6;.* (*,'** 26.(7/('06/**+..6 3:'-(7.-.(0.30.'+:'')3/(9-.'-:'')(/*(.1/4 7/;.6.))'3 9*'*'1.(1.*('0/*('/;.6'';.-(7.+/96(*'+(7.)./-/3)*,6./*/3(+-.3)*'+7*4'9(7 .('3.0/33'(7.6,7/;3:(7.1,-.**'3(7/(7*'*6.30./2'9(.;6**)9.('(*/2*.30./(6./*(3/34:-'**+'-1/1'3:(7.,.',6.&(7&7'1'7./**'0/(.) 7.-./60/38.-/(7.-''(+(7/(*'0.(4&/*3'(:-'**;0.29(06/**,-).&/3('+,926 0*,-(/2*'-,('3 3*(7.;/3(.*'+/*(.-6.096(9-.096(;/(.)*.6+*73.**(*) ++096(+'-/1').1 1/3('0'30.;.(7.2'93).);.&'+*'0.(4(/8.3 24,.',6.68.4 1 1/079*/3))'3 9*(7.0'6)*(/(.64*.6+0'3(.3('(7./2*.30.'+*f 3,/(74+'-(7.1/**.*64 3:'9(*).(7.07/-1.)0-06.'+*.3/('-/6--38(7.,6/0)+/(7 3*(7.,.-1/3.30.'+,-;6.:./3)&./6(7'(7./,,/-.3(3/2 6(4('0'30.;.'.;.3 3*(7.,-.*.30.'+(-.1.3)'9*+'-0.*'+)*-9,('3(7/(*'0.(4*7'96).;.-0./*.('1';./6'3:(7./30.3(6 3.* 7.29-./90-/(0*4*(.1'+:';.-31.3(*(+6.)/66 3(.-.*(3,926 0/++/-* 3(7.3/(9-/6:';.-3 3:O6/** /*(.-*'+;/*(')'1/3*4.(.5069).)/*/3''-).-+-'1-./6,'6(0/6,'&.-'(7.:-./(1/**'+(7.*.3/('-/6

G)5 F A @?@ M D OD @QE)N ?@)) DN ED D@QC)) LDN O?? QN L? O?@QQ OQFLM QE@DN Q O C O ?C) MC?) RQ)D CLQ ', - G B

O6/** &.-. 0'3).13.) ('' / *(.-6. 6+. '+ +/3(/*(0 6959-4 6(.-/-4 (-+6 3: '- *966.3 -.*.-;. 7.4 7/) 6((6. C -. +'- /34 79((7. - '&3 0/*(./3) +/1 64 /* (7. -.,-.*.3(/(;.* '+ =-/.0' '1/3 096(9-.$ (7 &7/(&/* -.:/-).) /* / 6/9)/26. /12('3 ('' /)) ('' (7. '7'3'9-*R '+ (7. +/1 64 /3) / *(-.39'9*).;)('3 ('' (7. *(9)4/3) 1 (/('3 '+ (7. :-./(/9(7'-* (7.-. *..1.) ('' (7. *(/(.64 3'26. 3'' -./*'3 &74 (7. 0/61 0.-.1'3 '9* *.3/('-/6 6+. *7'96) 3'(:'' '3 +'-.;.- 7./1 '+ /66 (-9. '1/3* &/* ('' -.,-')90. 3 *900.** ;. :.3.-/('3* (7. +'-1* /3)). /* '+ (7. :-./(,/*(93) *(9-2.) 24 /34 7',. '- /12('3 '+ .;.- .50.66 3: (' *907 / 0'3) ('3 '+)./(7 6 8. -.,'*. '- 1 1'2 6 (4 7/) (7. 1,.-/6 *4*(.1 -.)90.) (7. 1'*(3(.66 :.3(O6/** 3 (7, '1/3 &'-6) /(7 1 3' '1. 7/) 8 66.) /66 +/(7 3 / &).- +9(9-. +'- 791/3(4 '0.(4 7/) 2..3 .6/2'-/(.64 /3)).6 2.-/(.64 *(.-.'(4,.) * / -96. &7/(.;.- / 1/3<* .3.-:4 '- /12('3 7. &/*)''1.) (' &'-8 '9(7 * 6+. '3 (7. ,-.0*. 6 3.* &7 07 7 * /30.*('-* 7/) +'66'&.) 66)./* '+ 1,-';.1.3(&.-. 3 ,,.) 3 (7. 29) 26/*(.) 24 (7. *(+6 3: /(1'*,7.-. '+ /).*,'(*1 &7 07 & (7 &7/(.;.- :'') 3(.3('3* -.0.;.) 3'' :9)/30. '- 3*,-/('3 +-'1 (7. (7'9:7(* '- 3..)* '+ (7. 1/**.* /3) *,.3(/66 (* *(-.3:(7 3 1/3(/3 3: 9307/3:.) (7. 6 3.* '+ /3 /30.3(*4*(.1 3*(./) '+ +3) 3: ',.3 3:* +'- +-.*7).;.6',1.3(7. */1. 1 1'2 6 (4 -. :3.) 3 (7. .)90/('3 '+ (7. ,-;6.:.) O6/** 7.4 +.6(3'' 1/(.-/6 3..) ('' *(196/(. 3;.3('3 /3) ,-/0(0/6 .3.-:4 /3) (7.- /0/).1 0 (-/3 3: '364)..,.3.) /3) 3(.3*+.)(7.)./).3 3:0'3*.-;/(*1''+93/**/6/26.&./6(7 /3) -/38 7.- (-/3 3: &/* .5069*;.64 6(.-/-4 (* *'6. /1 &/* ('' 1/8. 1/*(.-* '+ ,7-/*.-7.('-0/3* *8 66.) /3) *900.**+96 1 (/('-* '+ (7. :-./(1/*(.-* '+ (7. 6(.-/-4 /-(' .-. *(46. /,/-(+-'1-./6 83'&6.):. '-). /* &/* (* :-./(/1 (,.-* *(.3(64 8.,(2.+'-. (7. ,9, 6<* :/O. (7. 14(7'> 6': 0/6 +/30.* /3) 6(.-/-4 +3.**. '+ (7. :-./(/:.* * (7. 1/(.-/6 +'-0. '+ (7. 1, -. *6'&64 &/3.) (7. 6'+(.- *, -(* 0693: /66 (7. 1'-. (.3/0 '9*64 ('' (7. 6(.-/-4 7.-(/:. +-'1 (7.,/('+ =-.0. /3) '1. /* ('' / *(/3)/-) '+ 9,/$,-'/07

E?@)5 A @)N Y)N D RQ CRQD E CLD @ C?FQN D O?C M)L N? C P)E KQC E P@ QN OD RQ)) Q?K F) C QE L QN F D)C @?CCD C?FDK) 'QF N?) RQ?RQD CQ@ NQ)

/26. , .-+.0('3 7.-. &/* 3'' 09- '* (4 3'' 6'; .' '+ *0 .3(+0 3C9 -4 3'' 7', .' '+ +9-(7.-' /);/30. 66 (7/(' &/* 2.*(3 (7. ,'** 26. /07 .;.1.3(*' '+ (7. 791/3 *, -(' 6/4 2.7 3) *(. . , .)' 3 (7.:'6).3 7/O.' '+'/7.-' 0 /:. 3 +-'3(' *(-.(07.)' /' :-/4 +6/(' ,-'*, .0(' '+ 096(;/(.) 1.) '0- (4 (' *' 7/-)64' ('' 1907' ('' */4 (7/(' (7.).*, '(*1 '+ (7. *07''6 (-/) ('3 &/* /* *(+6 3:' /3)' +/(/6 (' ,-':-.** /* (7. 29-./90-/(0).*, '(*1 '+ '06.(/3

3 (7. (1. '+ 9*'3 9* &. 7/;.0/9:7(' *'1.:6 1, *.* '+ (7. /*0.(0 /3)' (7. 3(.66.0(9/6 *). '+ (7. 7- *(/3 6 +. 3 =/96 -.;./6 3:' /' *, -(9/6 1';.1.3(' 3 *(-8 3:' 0'3(-/*(' (' (7. ,'6 *7.)' &'-6)64 *'0 .(4 '+ (7. *.3/('- /6 '-).-' 3 &7 07 06/** ,-). 7/)' (/8.3 (7. ,6/0.' '+ 7 :7 ,926 0 *, -(' /3)' /') 6.(((/3(.' 096(9-.' 7/)' +-'O.3 (7. *,-3:* '+ 1'-/6 .3(79* /*1' /3)' .3.-:4 7.' 1/%'-(4 '+ (7 * 06/** (&'' :.3.-/('3* /+(.-' 9*'3 9* &/* 3 7 * :-/;.-.*.126.)' 7 1 -/(7.-' (7/3 /96 39* .(' 7.-.' /3)' (7.-.' 3 (7. 6.((.-* '+)'3 9* &. 1..(' & (7 /' 1/3 &7'' -.1/3.)' 3 (7. &'-6)' 4.(' &/* 3'(' '+ (' &7'' & (7'9(' /0(3:' 6 (.-/664 '3 (7. 0'11/3)' ('' +'-*/8.' /66 (7 3:* +'-' 7- *(' *(-';.(''6 ;.' 3 (7. *, -(' '+ (7. .-1'3 '3 (7. '93(' 7.'07/-/0(.-' '+ '3.' '+ (7.*.' 7)).3 */3(*$ /' 0.-(/ 3 .0(9*' 1 :7(' 7/;.' 2..3)-/&3 24 (7. /9(7'-' '+ (7. ' 0-' (, ' .' &/* /' 1/3 '+ 669*(-'9* -/38 /3)' :-./(' +'-(93.'29(' 7.' 7/)' 6./-3(' (7.' *.0-.(' '+ '9* 3:' (7. &'-6)' /* 3'(' /29* 3:' (R .' 7/* /66 (7. *, -(' '+ /3 /307'-.(' 93).-' (7. *'6) .-< * O6'/8 /3)' -.:/-)* 7 * ,'* ('3 /* /' (-9*(' -/(7.-' (7/3 /' ,-', .-(4 M 7.' *, -(' '+ (7. -' 1/*(.-' 7/)' *, -./)' /1'3:' 7 * *.-+* /3)' O6.3(* 7.4 /-.' /* '2.).3(' /3)')9(+96 /* 7.' * :.3(6.' /3)' 0'3*).-/(.' .' 7/* *(66 /66 (7. (/*(.* '+ (7. 3'26.' '+ 7 * (1.F 7.' &./-* (7. ,-', .-')-.** '+ 7 * -/38 % 7.' 7/* /' ,-).' 3$7'-*.' /3)' +/6O'3' /3)' 7'93)' /3)' (7. *(/(.64 *.-.3 (4 '+ &./6(7 .' 1/3(/3* /' *.;.-.' 29(' 06.1.3('):3 (4 .' %' 3* (7.' 793(' 29(' 7.')'.* 3'(' ./(' (7. :/1.' * 7'9-* /-.' '+(.3 *, .3(' 3' -./) 3:' (7. 0- ,(9-.* /3)' 07/3(3:' (7. */61* 3' '364')/9:7(.-' &7'1' 7.' (.3)* & (7' /' 1'(7.-(* (.3).-3.** 0'3*'6.* 7 1' 3' 7 * &)'&7'')')'3 9* /))* (7/(' & (7' /66).+.-.30.' (''7 * '&3' '-).-' +' 7.

' E'*5' ' I' '3)#C' .2- $ E')5' 'I'OQ DC'DQN'O ?O)N' (, 'L' H E?NQ @' @?@' O?CC ED' D' CDE' O? QC')E' N @C') D

0'96) + 3) *907 :-/0.* 3 7 *+- .3)*' 7. &'96) ,-.+.-(7. ,- .*(64 07/-/0(.-((' (7. ,- .*( )'3 9* /6(7'9:7 7.))' +('(& (77'6) 7 */) 1 -/('3+-'1 (7. 1'3/*(0 6 +. /3) &-'(. /7 .6.:4 '3 2-/7/1 (7. /*(.-3 *'6 (/-4 &7'' *.((6.) 3 9;.-:3. & /*/+(.-/66 '3.'+(7/('06/**'+,-.6/(.*&7''7/; 3: 2..3'(-/ 3.) 3 &'-6)64*'0 .(42.6 .;.) 3 /' 7-*(/3 (4 &7 07 8.,(' 3 ('907 & (7 (7. &'-6) (''-.3';/(. (' /3) ('':';.-3 (,'66 3/- *')'3 9* 7/) -./07.) 7 *' +'-(4*.0'3) 4./-$ &7.3 24 (7. ,',96/-;'0. 7. &/* 0/66.) ('' 93).-(/8. (7. ., *0',/6 ';.-* :7(+(7.) '0.*.'+ 9;.-:3. .7/) 2..3 (66 (7.3 (7. 1'*(' (4, 0/6 -.,-.*.3(/(;. '+ (7. /-*('0-/(0 0/*(. 7-*(/3 3 ,-'+.** '3 29(' ,/:/3 3 *.3(1.3(' /3) (-/ 3 3: . 7/) 0'3*).-.) (' 7 * 1 ** '3 (').., .3 (7. ,-). '+-/38/3) (7. ,-). '+ 096(9-. .2.0/1.*9)).364 '3. '+(7. 1'*(').;'(.), /*('-* /3) *, -(9/6:';.-3'-*'*7/-3: (7.)/3:.-* /3) 1 *.- .*'+7 * +6'08 3 (7. * :'(7 0 3;/* '3 1,-*'3.) 24 9-0 +'-7 *).;'('3 , /** '3/(.64 6/1.3(.) 24 7 *, .',6./+(.-7 *) ./(7 7.-. * 3''-.0'-)'+ (7. 0 -> 091*(/30.* '+ (7 *:-./(' 07/3:. N .(7. 0'3(-/*(' 2.(&..3 (7.6 +.'+ (7. &'-6)64 /-*('0-/(' /3) (7. 7-*(/3 2*7',' *' ;.-4 1/-8.) .7/;.*..3 (7., 0(9-.*'+) / 64 6 +. /(' (7. :-./(' *.3/('-<* 0'93(-4*./(' /-') ++.-.3(&/* (7.6 +.'+ (7. 07 .+*'+ (7. 79-07 M 7.2*7',' 6 ;.) 3 (7. 07 .+('&3'+ 7 *) '0.*.'& (7)''-* /6&/4*', .3 3 (7./-64 1'-3 3: 7'9-* 7.-.0. ;.) /66 0'1.-*'7./-) 0'1,6/ 3(*' 0'1,'*.)) ++.-.30.*',.-+'-1.) 1/34'+(7.) 9(.*'+/'0 ; 6 1/:*(-/(. N .0.6.2-/(.) /**',-./07.) /3) (/9:7(' (7.,.',6. 3 079-07 .7/) 1,'-(/3(' +930('3* 3 0'33.0('3 & (7 (7. 1930,/6 0'930 6 +7 *., *0',/6*./(6/4 3./-(7.0'9-(' +/ =.-1/3 ,-30.'(7.2*7',7/) (7.(/*8'+0'30 6 /(3:(7.3.&2/-2/-/3 ,'&.-N /3) '+1/3(/ 3 3:'':') -.6/('3* 2.(&..3 (' /3) (7.

%MD TD) _A ? G ? MD L?NX ND@LDND@ ? 'M) DO CL?O) D C @ D DE ?N') O)CC)PD @')5' G ?' 3@OQC ? '% ?TDC MD FD D # D@'D ED@ FT C??@') D MD ? E @) ?@' ? E?@ QC COD)SC ? 3QOQC ,C M) @P L?NOFD DE @? DN 'N @RQD@@)' @')O?C ?F L) CDED 3QOQC KDL) ND K CM?O @' A_ 3QD Y?M)@@ C DE ? ' ' @E'5D C T JD N) @C 50 ' ' O' GI @' ' M) U ' WI F5' H' @ O? D' LQ' @E P@ CC N?')@)D O ? DCC ?@ C O?@EQC NO)L QN

DC ' G Y ' 7'9D P' 50 ' ' ,K M' B ' JQ]? ' (!' ' / , . ' G[A 9' ED ?QF)@PDC' 8 * ! " ' WB' WH ' 9)Q DF' ' W_B' L ' /0! % ,:' U ' ' (' * ' U ' G[' GI' U ' H' A' 9? ' NQF) ?QC KQC @DCC K ?QPM' KD ? D'K CM?OC' L ' E')5' 'A' V' I G[\')5' GA' MD' E 7Q PQ@E)@' S @P' QCDE ?' O) CD' MD' E @@D C ? ' 7 CM?O' 5) D@C'L ', NOD D' 6 ' ' A[A' ?@' MD' DF) ?@C ? ' , QC # M' MD' 7Q PQ@E)@C

=/66' '1/3',',96/('3' .'7/)'('*9,.-3(.3)'(7.'096(;/>
('3''+'(7.'6/3)*''+'7*'*..'/3)'*'1.(1.*'7.'.;.3'&'-8.)'3'
(7.1'&(7'7*''&3'7/3)*' 7.'3/--'&'*,/0.'6.+('24'(7.*.'
/0(;.'009,/('3*'&'96)' +'7.'&.-.'/'*07'6/-'/3)'/'(7 38.-'
2.')..;'(.)'('(7.'(7.'6':0/6''-',76'*',70/6')*09**'3*''+'
(7.'(1.'/3)'7.'1:7('3'(7/('/:.''+'0'3(-';.-*4'7/;.'('
).+3.'7*,'*('3' 3''*'1.'(-./(*.''3'+-..&66'/3)':-/0.''-'
'3'(7.'3/(9-.''+'(7.'*'96M 7.'-./6'6./).-''+'(7.'193 0,/6'
0'1193(4' 3'(7.'++(7'0.3(9-4'/68.' 3'(.1,'-/6'/3)' 3'
,-(9/6'(73:'&/*'+(.3'(7.':-./(' 79-071/3' 7.',''&.-''+'
(7.'*.3/('-/6'06/**'&(7'/66'(7.-'2-'/)'6/3)*'/3)'096(9-.')'
3'('.5(.3)'9*9/664'2.4'3)'(7.'*.-+*'+'(7.-'.*(/(.*

7.-.'&.-.'(&'')*(30('06/**.*''+'2*7',*'3'(7.'=/66 0'
79-07''+'(7.'++(7'0.3(9-4'(7.'1'3/*(0'/3)'(7./-*('0-/(0'
/3)'(7.'*,.0/6'C9/6(.*''+'2'(7'&.-.'3..).)'24'(7.'0->
091*(/30.*''+'(7.'(1.' 7.'1'3/*(.-.*''+' '9(7.-3'=/96'
&.-.'3'('3645').;'(.)'('/3'/*0.(0'-.6:'9*6+.'29('('
6./-33:'/3)'(7.'6':0/6'3C9-4' 7.4'&.-.'(7.'-./6'0.3(-.*'
'+'(7.'3(.66.0(9/6'1';.1.3(*''+'(7.'/:.F/3)'(7.':-./('7'9*.'
'+'/-3*''7/)'/'*,.0/6'+/1.'3'(''3645'+'-'(*'*/30((4'29('+'-'
(*')/6.0(0' (*'/(1'*,7.-.'*..1*'('7/;.'2..3'+/;'9-/26.'
('+-..)'1''+'(79:7('3'(7.':-./('C9.*('3*'&707'(7.3'
/:(/(.)' .*(.-3' 7-*(.3)'1' ('&/*'(7.'71.''+'/' .6/:/3'
'-'*.1 .6/:/3'*07''6''+'(79:7('&707'63:'-.,.66.)'(7.'
.5(-.1.' 9:9*(3/3';.&*'3'(7.'-.6/('3''+' ;3.':-/0.'('
791/3'& ' 3)'(':/;.'1/34'.13.3('-.6/(.*'('(7.'=/660
079-07' /9*(9*N''+' .O' 9,9*'$''+' -'4.*' 907.-9*N''+'
4'3*'/3)' 6/-4'N''+' -6.*

E9('(7./-*('0-/(0'2*7','&/*',.-7/,*'.;.3'1'-.'3..).)'
/('(7/(' (1.''+'*'0/6'/3)',6(0/6')*'-:/3*/('3'1 .'&/*'
'+(.3';.-4'1,.-+.0(64'.C9,,.)'&(7'(7.'6':0/6'6./-33:' E9('
7.'7/)''(7.-'C9/6+0/('3*'&707'(7.',.',6.''+'/')'0.*.'3'
(7.',/(7''+'(7.'3;/).-*'1:7('3/(9-/664'0'3*).-'1'-.'
;/69/26.' .'7/)'&./6(7''+'-'*/0-.)''-'07/-(/26.'2%.0(*('

' ' ?'9)QC QC'?'/D]'O @DE' ; QCLM'5)D'@'/,-,-'O'F '
KD?D' MD' ''',-' '?' F)QE' E?@'?,-']'JD@@)E' ''.5'
1)ND)..'H<
'9?')@')LL?Q@'?'3) @C')@E' C' E' (,'U'&'/5'G
?Q@E) ?@'?'9D P' 50 ''' ' ?,'U%'GG<'JD@@)E' ''.5'
'B'' JQ]?'(!'/.'')..'W
GAG'GB<'M)U' 50 ''''',.'GI'T $(,'U'GG<'JD@@)E' ''.5'
9)Q DF'' [W)..'BI

29 6) '-.3';/(.079-07.*$('-.).1(7.0/,(;./1'3:(7.2/-2/-/3*('-.6.;.(7.1*.-.*'+(7.6'&.-O6/**.*&7'&.-.*9++.-3:+-'1(7.)*'-).-/3)3*.09-(40/9*.)24(7.3;/*'3*.7/)/6*'(7./9(7'-(4).-;.)+-'1-/38/3)(7.*'0/6(/0(&707 1/).71/26.('). +.3)7*+6'08/:/3*(7.;'6.30.'+(7.=.-1/307.+*'-(7.3'(6.**)-./).)',,-.**'3'+(7. '1/3'++0/6*'1.(1.*/7:7 1 3).)/-*('0-/(1 :7(/00.,(7.'++0.+-'1/*.3*.'+)9(4('(7.,',96/('3/1'3:&7'1 7.6;.) '1.(1.*(&/*+'-0.)9,'3 7 1 24(7.-O6/1'9-M E9(7.0'--.*,'3).30.'+)'3 9*6./;.*3')'92((7/((7..,*0',/607/-&/*'+(.3/3'2%.0('+/12('3/3)3(-:9.'+(7.6'&.*(83) ('/3.6.0('3('(7.;/0/3(*..'+7/6'3*3V A(7.-.&.-.(7-.0/3))/(.**9,,'-(.)24-;/6+/0('3*N 3.&/*/1/3'+3'07/-/0(.-29('+/30.3(63./:. 3'(7.-&/*/3, 0 9*&7''7/)2'9:7((7.*9,,'-('+/,/-(424(7.*866'+7*0''8 (7-)7/)',-'1*.)7**9,,'-(.-*3'0/*.'+7*.6.0('3'(7.-.-&/-)'9('+(7.*(/(.*'+(7.*..' 6(7'9:7(7..6.0('3'+/2*7',3'(7'*.)/4*&/*'(66'3'(7.'-424(7.,',96/-;'0.(7.,-.*)3:2*7',*'+(7.,-';30..5.-0*.)/',-.,'3).-/3(3+69.30.F/3)3'(7*0/*.'('(7.'0'3+9*'3'+(7.-;/6,/-(*/3*/(.3*/3)7**.,*0',/60'66./:9.*2-/;.)/66'06/1'9-'/3)6/)(7.-7/3)*'3'(7. -07)./0'3'B'73'/1').*(1/3'&7''7/)'3''*9,,'-('.50.,(+-'1'7*'&3'26/1.>6.**'07/-/0(.- ('/3'(7.-.6.0('3'('(7.*..'+E'9-:.*)'3 9*7 1*.6+,-.*).)$' .'+'93)'/:-./(3912.-'+-;/60/3))/(.*/1'3:&7'*.'06/1*(7.,.',6.&.-.'7',.6.**64)();).)'/3)'3.'+&7'1'7/)'/0(9/664'9*.)2-2.-4('':/3*9,,'-(' ('(7.-.C9.*(7.93).-(''8('3'1 3/(./',.-*'3+'-'(7.*/0-.)'++0.'/3)'7.%9*(+.)'7*'07'0.3'/'7/-/3:9.&707'*'/;.-4;/69/26.'-.60'+(7.(1.*')'39*',9((3:/*).'/ '(7.,',96/-'0/3))/(.*:/;.'7*';'0.'+'-'/'0.-(/3' 1,60 9*'&7''&/*3'('(7.3' 3' '64' -).-*'29('/*'6).-'/3)'/'1/3''+:-./('++0/6'-/38'/3)'&./6(7'&7'*.'07/-/0(.-'&/*'7:764'-.*,.0(.)'/3)'&7''7/)',-';.)'7*').;'('3'24

',C5) D@C?'3T?@C E E' E')5' G['L'9D P' O'WB')@E'5D X OD QQC?'%?Q C' E')5' GH'L' J DP'%Q ' G ' %MD'F) D'P DC' MD' E ND@C?@C'?'MD'7)C F Q)'N @QLDFT \' E')5' A'' 8 3' 03' '' 1 0 'KT'5)QF @QC'?'

' E')5' A<

' 1' 'I' -?D' MO'#?EC' @DR@D' D@ N')FQ CCDNQC')F RQ E' @'L?N NQ@D' L?@CQFD D' @ C'YQE L 'CQ')L D@C' OFDKC' FD@)'Y)L Q)N' C)LD E?)F' CD' O? QC' YQE L ?'CQKE E CCD

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)'3 9* 7 1*.6+ /* 2*7', '+ 9;.-:3. 1'-. (7/3 /('3.)
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+- ;'6 (4 '+ 7 * ./-64 6+. 7.='(7 0 ,'&.-' 7/) 06'*.) -'93)
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9;.-:3. ('' 9-0'-.;./6* (7., /** '3/(., /(-'(*1'' + (7. .6(
/3) (7., -).'' + (7. '1/3 3'26. N *:.3.-'* (4 &/* .C9/6
('' 7 * 0'9-/:. =-.:'-4 '+ '9-* 7/) 7./-) /(/6.'' + (7.
:'')2*7', *.66 3:7 * 7 * *6;.-, 6/(.('-.6.;. (7. 3.0.** (.* '+
7 * +6'08 N 3'(7.-2*7', /(.3* '+ 4'3* &/* +/1'9* 3
7 * (1. (7-'9:7'9(/66 =/96 +'-7 * ,-30.64 62.-/6 (4 7.3
(7. 0-', * 3 7 *)'0.*. 7/) 2..3 29-3(9, 3 (7. -/;/:.* '+
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E)5 I M D ?K C DLLFDC)N
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1 3 W MD LM))L D ?
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LF)CC &D M)E @? '?@FT)'M PM N F) T
CO #M LM #)C) D) N?@P MD @?KFDC
? MD OD ?E KQ MD #)C)' N)@ ?
F) CM PD@D ?C T 3 SD 7 CM?O
5) D@C MD DE MD C) @P OD?OFD ? 7Q PQ@ET) 'M C ?#@DUOD@CD ! J DP %Q ' A
)5 _ N)L YDYQ@ C O)D F) ? DC
9? MD N)CC)L D ? DUOQFC ?@ ?) M?F L K CM?OC KT . Q L CDD E)5
B DPDN J? M? QN RQ) NRQ) N
C '?K QN ND)' D K F C '@?@)N
/?N)@ C N?D@ KQC RQ) N FDP KQC M CX
)@)' @C E) Q QN O) DCL? J DP
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$)5 3 _ ? J)DLQC K CM?O ?
1) CD FFDC %M C FD D 'CM?#C E?@ QC
) M C KDC K? M' @' CO ')@E @' C TFD
? 9D P ' ' O' GG
$ 6 / , . 3 AA
E)5 GA ? J DP %Q
6 / ' A 9D P b A<" O? @ C
?Q ' M) ' J KK?@ @? LDC MD LM) T ?
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ND@ ?M ? MD C N F) PD@D ?C T ?
5) D@C MD K CM?O J DP? T P DC)
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-.0/66$ (7.$:'6).3$ /:.$ '+$ =/66 0$-7.('-0$ /9*(9*$ '+$ .O$ &/*$ (7.$:-./(.*($ /3)$ (7.$ 1'*($)/-3:$ (7 38.-$ /1'3:$ (7.$ 79-07> 1.3$ '+$ 7 *$ (1.$ 8.$ .6/:9*$ 7.$ &/*$ /$ 3/(;.$ '+$ E-(/ 3M$ -'1$ 7 *$ ./-64$ 4'9(7$ 7.$ &/*$).;'(.)$ ('$ (7.$ *(9)4$ '+$,7 6'*',74$ 3'-$))$ 7.$ /2/3)'3$ ($ &7.3$ 7.$ 2.0/1.$ /$ 1'38$ '+$ /-3*$ +(.-$ 2.3:$ 7./)$ '+$ (7/($ 0'1193 (4$ 7.$ *90> 0..).)$ /5 19*$ 7 *$,-.).0.**'-$ 3$ (7.$ /22/04$ /($ /-3*$ /*$ 2*7',$ '+$ .O$.$ &/*$ /$ 1/3$ '+$ (7.$ 1'*($ */ 3(64$ 6+.$ /3)$ 3$ 7 *$)/4*$ '+$ +/1.$ /3)$,'&.-$ 7.3.;.-$ -.6/5.)$ (7.$ /2*(3.30.$ /3)$ /9*(.-(4$ '+$ (7.$ 1'3/*($ 0$) *0 ,63.N$ *$ *.-1'3$ /($ (7.$ 0'3*.0-/('3$ '+$ (7.$ 3.&$ 2/*60/$ /($ 4'3*$ 0/-- .)$ /&/4$ 7 *$ /9) .30.$.($ 7.$ &/*$ (7.$:-./($ 7.-.($ 0$ '+$ (7.$)/4$ /3)$ (7.$ -.0':3*.)$ 6./).-$ '+$ (7.$,'&.-+96$ *.1 .6/:/3$ *07''6$ 3$ '9(7.-3$ =/96$ *$ &'-8$ '3$ -..$ =-/0.$ &/*$ /**/6.)$ &(7$ +.-'0'9*$ 06/1'9-$ /3)$ &/*$ 0'3).13.)$ 24$ ',.$ =.6/*9*$ E9($ 7 *$ /2.--/('3*$ +-'1$ (7.$ *(-0($ 63.$ '+$ '-(7')'54$ &.-.$.;.3$ 1'-.$ *.-'9*$.$ 1/3(/3.)$ 3$ /$ &'-8$,926*7.)$ /3'34> 1'9*64N$ (7/($ (7.$ *'96$ &/*$ /$ 0'-,'-./6$ *92*(/30.$ /3)$ (7/($ (' /((-29(./3$ 11/(.-/6$ 3/(9-.$ (' ($ &/*$ (' 3;.*($ ($ &(7$ /C9/6(4$ &7 07$ 2.6'3:*$ '364$ (' =')$ 7 *$ 7.-.*4$ &/*$ 3)..)$ 3'($ /$ 3';.6(4$ ($ 7/)$ 2..3$ .5,'93).)$ 24$.-(9 /3FN$ ($ 7/)$ +'93)$ *9,,'-($ +-'1$ $ B.-'1.$ /3)$ /** /3N$ /3)$ ($ *..1.)$ (' $ 9:9*(3.$ (').1/3)$ /$ *.-'9*$ /3)$ .6/2'-/(.$ -.+9(/('3N$ 7.$ (-./(*.$ '+$ /9*(9*$)-.&$ +'-(7$ /$ -.,64$ +-'1$ /1.-(9*$ 6/9) /39*$ &7 07$ 3$ (*$ *92(6.(4$ /3)$ +'-1/6$ .6/2'-/('3$ '+$,-''+'7/*(7.$ ('3.$ /3)$ /(1'*,7.-.$ '+$ (7.$ *07'6/*(0$ (7.'6':4$ '+$ (7.$))6.$:.*$ 6/9) /3<*$ (-./(*.$ $ ',-$,$ &/*$).) 0/(.)$ (')'39*$ /3)$ (7.$ 7'3'9-$ &/*$ /083'&6.):.)$ 3$ /$ 6.((.-N &7 07⇓6./;.*$ /$:-/;.$)'92($ &7.(7.-$ (7.$:'')$ 2*7',$ 93).-*('')$ (7.$ C9.*('3$ /($ **9.$.$ 7/*$ /$:.39 3./)1 -/('3$ +'-$ /1$ 6/9) /39*$ 6(7'9:7$ ($ *$ .5,-.**.)$ 3

$ E')5$ $ GG'e$ A$ ($ $ 1$ FU$ I$ LP$ %?FQN @)$ Q)$ RQ)D$ / ?LM) QC$ $ $ 7)@@)$ Q C$ O ?$ D$ DO?) $!$; QCLM$ 5)D$ F T$ L$ JD@@)E$ $. 5$). $ H<

$ E')5$ U$ W$ LQN$ @?)D$ E P@) C$?K D@ Q$ P? DN$ D D C$ E CL OF @)D$ @?@$ DF)U) D C

; QCLM$ 5)D$ F U$ 9?$ CODL ND@C$?$ M C$ O D)LM @P$ $ = , $ %0 ,. 0,$ 1 P@D$ $ $ DCO$ $)@E$

$ *')5$ O D UDE$?$ 1)N$ F)QE)@

$ 0 -$ T')5$ UU & D$ M ?FFDL DE$ 9)QC QC

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6/3:9/:. '+/2*9-) .5(-/;/:/30. E9((7.-. * 3'(/ 7 3(3 7 * 6.((.-* (7/(7. -.:/-). /9*(9* & (7 /34 +..6 3: 29((7/('+ (7. $./(.*(.*(..1 /3) /++.0('3 (19*(2. */) ((' (7. 7'3'9- '+)'3 9* (7/(7. 07'*. /3) 6';.) 7 * +- .3)* +'- (7. -07/-/0(.- C9 (. /,/-(+-'1 (7. - ', 3 '3*F /3) 7. *..1* (' 7/;. 7/) /3 1,/-(/6 -.:/-) +'- 2'(7 (7. 0'12/(/3(* 3 (7 * 0'3(-';.-*4

7. :-./(;/69. '+)'3 9* (' (7. 7 *('-0/6 *(9).3(* (7/(7. * *' 2-'/) /3) ('6.-/3(/3) (7/(7 * 07/- (4 .12-/0.* *' 1/34 1.3 '+ ;/- '9* 07/-/0(.- /3))./6* . 7/* .;.3 / :'') &'-) +'-(7. B.&* /* 1.3 /3) /,/-(+-'1 (7. - +/ (7 $ *' '&3) *,'*('3 &'96) 3/(9-/664 306 3. 7 1 (' /) 1 -. (7. ,-30. 2 *7', & (7 3'26. /30.*(-4 /3) / (/*(. +'- 6.((.-* E9(7. 7/* / ,-'+'93) -.;.-.30. +'- (7. /*0.(0 +.-;'9- '+ (7'*. &7' & (7)-.& +-'1 (7. &'-6) (' (7. 1'3/*(0 6 +. ' -' (' (7. :-./(.-6'3.6 3.** '+ (7. 7.-1 (/:. 3 (7. +'-.*(. 7/) ;*(.) /9*(9* /( )- 3* M /3) *..3 & (7 /)1 -/('3 (7. *, -(/3)) *0 ,6 3. '+ (7/(:-./(*'0 .(4 3 '3. '+ 7 * ,'.1* 7. 0.6.2-/(.* (7. '3/ '+ (7. .) (.--/3./3 /* &. 1 /4 0/66 (&7'*. /-) */3)* 7/) 2..3 (7. 7'1. '+ '3'-/(9* 907.- /3) 6/-4 /66 :-./(69 1 3/- .* '+ (7. 79-07 '+ =/96 3 7 * ./-64 4'9(7 N . *.3)* /3 /00'93('+ /3 ., *0',/6 .6.0('3 (' '1 3969* M &7'' 7/) -.(-.) (' '3. '+ (7. 1'3/*(.- .* 3 (7. B9-/ 3 /3'(7.- 6.((.- 7. /083'&6.):.* (7. /++.0('3/(. *41,/(74 '+ /3 /22'(3/1.) 7/- '2/9)9* N /3) *.3)* 7 1 / 0'&6 (' ,-'(.0(7 1 /:/ 3*((7. 07 66* '+ (7. 1)3 :7(*.-; 0. 6'*. (' 7 * '&3 ., *0',/6 ('&3 '+ 9;.-:3. / /*'6 (/-4 +-'1 (7. /*(7/) *.((6.) 3 /'7.-1 (/:. N .7/) *9++.-.) ,.-*.09> ('3 3 7 * 3/(;. 0'93(-4 '3 (7. 9,7-/(.*F (7.30. 7. 7/) ,/**.) 3(' :4,(/3) 6 ;.) /1'3 (7. 7.-1 (* '+ (7. 7.2/) . &/* / 1/3 '+ *9,.-791/3 */30((4 /3) 1.3 2.6 .;.) (7/(7. 7/) *9,.-791/3 ,'&.-* . 0'96) ,9( ).1'3* (' +6 :7(:;. * :7((' (7. 26 3) 7./6 1/-;.66'9*64 3;.(.-/(.) *./*.

E) DQC LQ QC N M RQ?RQD DCCD OD C?@) L? E C @?@ DCCD CDL) EDCODL Q J?]?F) C L) DE M C FD D C L < U W Q JD N) @ C 50 O G H @ <

(, U IG &?@?) QC)@E & F) T KDL) ND K CM?OC ? , FDC)@E .QLMD K CM?O ? 3T?@C

)5 A<' @Q@L D P? VQ D@C) C

D DN Q@ Y) N N?@) C D) @ RQ) D C?F QC DCLD@ED D Y) N L) DFL) KQC CQOD @ CRQD O) DFQE C M) K) LQF C D L L J DP %Q , - 9? MD N?@) C D DC @ MD VQ) D M) U AGH

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1 G_ J DP %? 6 / AG)@E O ,

' , ' & . -+96' , . - ' 3 / 6 (4') - . &' ' (7 . -*' 6 8 . 1 3) .)' (' ' 7 1 ' ' 1 ' 3 / *(. -4' & / *' 29 6(' & 7 07' 2 . 0 / 1 .' (7 .' 0 . 3(- .' ' +' 7 : 7' - . 6 : ' 9*' +. . 6 3 :' 3' 9 ; . - : 3 .' 7 (7 . -' 0 / 1 .' (7 .' 2 *7 ' , ' + ' -' 0 / 61' / 3)' 1 .) (/ (' 3' 3' (7 .' (. 1 , . *(' ' +' (7 .' = ' (7 0' 3 ; / * ' 3' 7 . 3' 9 ; . - : 3 .' 7 /) $4 . 6) .)' (' ' (7 .' = ' (7 ' (7 (7 . -' 0 / 1 .' 9 - 0<*' : ' ; . -3 ' - ' (7 .' ' 93(' 0(' - 9*' / %)' ' 3' 7 : 7' +. *(; / 6*' (7 .' 1 ' 3 / *(. -4' ' ++. - .)' (*' 1 ') . *(' 7 ' *, (/ 6 (4' (' ' (7 .' : - . / (' 3 ' 26. *' / 3)' ' ++ 0 / 6*' ' +' (7 . ') *(- 0($' E 9(' (7 .' : ' ')' / 22 ' (' & / *' / (' 6. 3 : (7' & ' - 3' ' 9(' & (7' 0 / - .' / 3)' / 9 *(. - (4' / 3)' & 7 . 3' 7 . ' & / *' ' 3' 7 *') 4 3 : 2.)' 0(' - 9*' (7 .' : ' ; . -3 ' - ' 2 . 3(' ' ; . -' 7 1' & . . , 3 : ' (' ' 06 ' *. ' 7 *' . 4 . *' *' 2 *7 ' , ' & - ' (. ' 7 *' . 6. : 4' 3' & 7 07' (7 - ' 9 : 7' / 66' (7 .' , .) / 3(- 4' & .' 0 / (07' (7 .' (' 3 . *' ' +' / ' - . / 6' - . ; . - . 30 .' / 3)' / ++. 0(' 3' +' - ' / ' * / 3(64' 6 + .

7 *' *' 3 ' (' / ' 7 *(' - 4' ' +' (7 .' - . 6 : ' 9*' 6 + .' ' +' (7 .' (1 .' 9 - ' 1 / 3' (7 . 1 .' *' - / (7 . -' (7 .' 1 / 33 . -*' / 3)' (' 3 . ' +' (7 .' 0 / *(. ' & 7 ' ' (7 ' 9 : 7(' + / -' 1 ' - . ' ' +' - : 6' / 3)' (/ (9*' (7 / 3' ' +' ' B ' 73' ' - ' ' / 96' . (' (' & ' 96)' 2 . ' / ' ; . - 4' 1 / 1 .)' / 3)' 1 *6. /) 3 :' ; . & ' ' +' (7 .' / : . ' ' +') ' 3 9*' & 7 07' 0 ' 3+ 3 .)' (*. 6+' (' ' (7 .' : / 4' 0 ' 93(- 4' 7 ' 9*. ' 6 +. ' ' +' ; (/ 09 1' ' - ' - 9* / 39 1' / 3)' : 3 ' - .)' (7 .' : - . / (' *, - (9 / 6' 1 ' ; . 1 . 3(*' (7 .' +. / - 6. **' C9. *(' ' +' (- 9(7' (7 .' & ' - 6) ' +' - : . ((3 :' , . (4' & 7 07' & 7 . 3' *' 0 . (4' *. . 1 .)' * 38 3 :' 3(' ' (7 .' / 24** ' & . - . ' (7 .' , - ' 1 *. ' ' +' / ' 3 . & ' / 3)' 2 . ((. - ' (1 .' 3') ' 3 9*' (7 .' ' 6)' / 3)' (7 .' 3 . & ' ' -) . - ' 1 . . (' . ' (7 ' 9 : 7(' 7 1 *. 6+' / ' E ' 1 / 3' ' +' (7 .' ' 1 / 3*' (7 . 6 / *(' 07 / 1 , ' 3' ' +' / 3' 1 1 . 1 ' - / 6' 096(9 - . ' (7 - . / (. 3 .)' 24' (7 .' - * 3 :' ( ) . ' ' +' 2 / - 2 / - *1 N' . ' . 3) .)' 7 *' 6 + . ' / *' / ') . ; ' (.)' 7 - *(/ 3' , / *(' - ' & 7 ' ' *(' 66' 0693 :' (' ' (7 .' : - . / (' (- /) (' 3*' ' +' / 30 . 3(' E ' - 3 . ' 29(' 7 /)' 6. / - 3 .)' (' ' 2 . 6 . ; . ' 3' (7 .' : - / 3) . - ' 1 ** ' 3' ' +' (7 .' 7 - *(/ 3' 79-07

' J DP %Q ' 5) 10%' ' J DP? T'))) DC' K? # ' ?@' ?@D' ? ' MDCD' ?LL) C ?@C' MD' PQDC C' #D D' N) LQF?QCFT' CQOOF DE' # M' # @D

' E') 5' ' G[')@ QN' @L DKQ ' NQF QED' EDC E ?C? QN ' Q ' @ C ' DF O) QL CC N ' RQ RQD' ND) N' 3)) C' F @PQ) D' O ?O D) DN' ED') F QN' K) ,) CN? QN' QK P @D' @E L) D C' , ' K D ') K?F) N' ED D) NQC' @ D ') N RQD ' C L' ?N@DC' @?K F QN' CD N?@QN' O@ OQ) D' OD ' @LQ) N' %QFP ' EDL?F? ') KQ@ Q

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%&.ʻ9, 34/.ʻ09ʻ,81 - %/,% 0-ʻ,-8ʻ%&.ʻ
/4 -ʻ 09ʻ %&.ʻ 1 883.ʻ 3, ʻ ,ʻ /.ᚷ
.,3.8ʻ72ʻ%&.ʻ%&.080 ,-ʻ 08.

/3)$).,- ;.)$ '+$ /66$,-/0(0/6$ 3(.-.*($ 3$,926 0$ /++/ -* $.$ & 66$ +3)$ (7/($ 3'($ '364$ 7/*$ /3$ - .3(/6$ 1'3/-074$ (/8.3$ 7.$,6/0.$ '+$ (7.$,- 30 ,/(.$ '+$ 9:9*(9*$ 29($ (7/($ /3$ /61'*($ - .3(/6$ *4*(.1$'+$0/*(.$7/*$1/).$.;.-4$*'0 /6$:-/).$/3)$.;.-4$ '009,/('3$,-/0(0/664$7.-.) (/-4$+-'1$(7.$*.3/('-$('$(7.$&/(.-> 1/3$'3$(7.$ 2.-$'-$(7.$*.3(3.6$/($/$+-'3(.-$,'*(F$/3)$(7/($ 791/3$3/(9-.$ *7/; 3:$ (*$-.;.3:.$ 3$&7'6.*/6.$+6 :7($+-'1$/$ 0-9.6$*.-; (9).$/3)$(7.$07/'*$'+$/)1 3*(-/('3$ ($&66$2.$ *..3$(7/($ 3$/$*'0.(4$ 3$ &7 07$,';.-(4$ *$ /61'*($ 2-/3).)$ & (7$ 3+/14$$,';.-(4$*'*(./) 64$ 30-./* 3:$/3)$&./6(7$2.0'1 3:$ 1'-.$ 3*'6.3($/3)$/::-.** ;.F (7/($(7.$) * 37.-(.)$ 3$(7.$+/0.$ '+$/3$'13 ,'(.3($:';.-31.3('/-.$0/--4 3:$2-:/3)/:.$.;.3$9,$ ('$(7.$:/(.*$'+$ '1.F (7/($,/-.3(*$/-.$*.66 3:$(7.-$07 6)-.3$ 3('$*6/;.-4F (7/($,926 0$29 6) 3:*$/-.$+/66 3:$3('$).0/4F (7/($ (7.$*.-; 0.$'3$(7.$:-./($,'*($-'/)*$ *$2.0'1 3:$)*'-:/3*.)$ ($/($1.$&7.3$.;.-4$+-'3(.-$ "*(7-./(.3.)$ ($&66$2.$+'93)$ (7/($(7.$+-'3(.-$,'*(*$/-.$2.3:$/2/3)'3.)$(7/($(7.-.$ *$&7'6.> */6.$).*.-('3$+-'1$(7.$-/38*$'+$(7.$/-14F $&76.$3$(7.$+/69-.$ '+$+-..$-.0-9 (*$(7.$*6/;.*$7/;.$('$2.$0/66.)$('$/-1*$ E9($(7.$ 93*0.3(+0$/3)$3.++0.3($+3/30 /6$*4*(.1$&66$07 .+64$/((-/0($ (7.$3'(0.$'+$(7.$7*('-0/6$3C9-.-$ 7.$0'66.0('3'+$1,'*(*$ 3$8 3)$',.3.)$(7.$)''-$('$.;.-4$*,.0.*$'+0'--9,('3$ (66$ 1'-.$+/(/6$('$,9-.$/)1 3*(-/('3$&/*$(7.$*4*(.1$&7 07$6.+($ ('$(7.$193 0,/6$06/**$(7.$/**.**1.3($/3)$0'66.0('3$'+$ (7.$-.;.39.$3$(7.-$)*(-0($ 7/($)''1.)$'-).-$/-.$/($'30.$ 2-/3).)$/*$(7.$&'-*($',,-.**'-*$/3)$3;.*(.)$&(7$(7.$ 1.6/307'64$:6'-4$'+$2.3:$(7.$1/-(4-*$'+$/$-9 3'9*$*4*(.1$ '+$+3/30.$ 7.-$6 3:.-3:$+/(.$-.0'-).)$3$!#[$.)0(*N /'(-/:.)4$,-'6'3:.)$(7-'9:7$1'-.$(7/3$+;.$:.3.-/('3*$*$'3.$ '+$(7.$1'*($09-'9*$.5/1,6.*$'+$'2*(3/(.$/3)$,9-263)$6.:*> 6/('3$0'3(.3)3:$7',.6.**64F & (7$3.5'-/26.$6/&*$'+$*'0.(4$ /3)$791/3$3/(9-.$ 3$(7/($0'3(.*($(7.$1))6.$'-$2'9-:.'*$ O6/**$&/*$/61'*($.5(3:9*7.)$ '1/3$+3/30 /6$/)1 3*(-/('3$ &/*$,/-/64*.)$/3)$/($(*$O6'*.$(7.$-./6;0('-*$/3)$*9-;;'-*

G DD$1$8Q QT C$1DN? D$?@$&?$ @DC ?DC$)@E$&QN F?DC$@$MD$F) D$ .NO D$@$6 $'$, $'B W $)F$ $ $?1$4$ iGH $?$ $B[$ 1$9$ED$?QF)@PDC$N8* !$? OBH$@$G"C)T)¥0@$DN) HQD)RQD)F D@$)LLQCD$N?@CFDP?@L?@@) DC$NOD)QU$RQDFDCN)P C

)C$NQ@LO)QU$ 2DL $"-1' 4 $'AG$RQEDC)F QE$RQ? Q@E)N$ RQ?C$)LD?$O)D DL Q)$RQ)N$O)DE)$Z *$AB$ RQKQC$D@N$)F C$ DKQC$ 7)L)QE)D$)L$CQ@$@C$ $ $ NO ?$ K)K C$¥QE LQN$D L

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(7'9:7*.6)'1 (*('7.+./-.)*907'0'1,6/3(*0/1.) -.0(64 I('M(7./-* '+(7. 1,.-'- 7.1/** '+6.:*6/('3'+'-(7. -.6.+'+(7.,-'; 30.'+ +-0/'3'(7.-.:3'+ '3'-9*&/* (7.-) 96('+/(6./*(&') .,9(/('3*0'11 **'3.)('-.,-.> *.3((*:-.;/30.*F$ /3)*'). (.-13.)&/*(7. 1,.-'-('-.1.)4'(7./29*.*0'1,6/3.)'+(7/(7./,,'3(.)(&''+(7. 1'*(.5,.-.30.)'/3) 669*(-'9*.5,-.+.0(*&(7+966',&.-*('). /6&(7(7.)*'-).-*'+(7.,-'; 30.M 7.'1/3&'-6)'7/)'+'-/:.*-.:/-).)(7. 1,.-'-/* /3.//-(7645 -';).30.FN/3)('(7.3)*907&/*(7.0'30.,> ('3'+(7.-'++0.&707&/*.3(.-(/3.).;.324(7.&./8.*(.1,.-'-* /6.3(3/3,-'06/1*(7/((* 7*29*3.**('Q',-';).'+'-(7.,./0.'/3)(-/3C966(4'+(7.,-'; 30.*'RFM 3(7.19*/4*(7/(7.*0/66.)'('+/0.'(7.*('-1*'+''; .-> &7.61 3:'0/6/1(.*RN '(*'9-0/-.R*/4*(7. 1,.-'- /-(/3N Q('-';).'+'-(7.&.6+/-.'+(7.791/3'-/0.R .('(7.-./-.3'(7.6/(.-.)0(*1/34'*:3*'+'0'3*0'9*&./8> 3.**' 7.-('3.*+-.C9.3(64/-:91.3(/(;.'/3)'-7.('-0/6' 7.-.'*/3/2*.30.'+(7.(-.307/3(2-.;(4&(7&707 '3*(/3(3.'-(7..6).-/6.3(3/3&.-.'&'3('(').O6/-.' (7.-&66' (*'*3:96/-('+3)'/3.)0(/:/3*(B.&*' /1/-(/3*/3)',/:/3*',.39:&(7/3/-:91.3('+'-(7. 2.3:'+'/'=')<$ 6*.&7.-.'&.'1..(&(7,76'*',70/6-.> +6.0('3*'3'(7.33/(.'0-13/6(.3).30.*'+791/3'3/(9-.N (7.7',.6.**'*.6+*73.**'+(7.-07N'-''3'(7.+930('3*'+' :';.-31.3(' 7.'1,.-'-/%'-/3'3'3'6/&').*0-2.*' &(7':-./(';;)3.**'/3)',/**'3/(.'+'-0.'/*'+'+'-',*(.-(4' (7.'0-9*73:'&.:7('+(/5/('3'/3)'(7.'7',.6.**',*('3''+

G %MD'DNOD?C'J))@')@'E')FD@' '&0!'7, ' ' ', ' @)@'OD N DE'MD'O?@LDC')D' $8. ' ' ' EQD'EDFKD)?@'?'CD@E'MDD'EDFDX $&0!'%, ' 'LQ)D'@?KC'DC' P)DC'?'DO DCD@'MD'L)CD'?'MD' Q F)'MQN)@'PD@D C'O?ED D' P?D@ND@' ' *'U'GA'_' %MD' @)N'E'ED')L'@?L D'O?CO L N@C'Q' Q)FDC')@E'8D D@C?DC'C?ND NDC' Q@ D C'RQ'CQK'@?C ?'NOD?' Q@' DE'?'O D D@'MD')OOD)F?'MD' D')N)QN'O)DC E?')K'M?C F'NOL Q' O?@L)FC'U'H'W'U'AB'A'#M' NQ@)@Q')?'@'O)LD'FKD?'?')L' J?ED ?TC'@?D' %MD'EDOQ)?@'?N' CDLQ)D'O?)@Q , L)'C'ND@ ?@DE'U'G'GBB' '&0!'*' 'RQ)'D@N')@'ND@D' U'B'A'' TN')5' 'O'B' L)OQC'DL DL?NND@E@P')'CNF)'EDOQ)?@' $&0!'7, ' '@?U)D'ND@DC' ?N')NO)@)'@'WI<'('*'U' L)DL?'CDNOD'@')LQC'Q?D')O' AH'A Q@Q)'1' ' 'WW \'&0!'*'UU 'E?NDC LC')@QN' ' DD'9'ED' ?QF)@PDC'8,'?,- L?NOD@E C'?KCDRQD@D)'K?QQN'L?NX %0 'OO'G__' XX NQ@D'EDC QQ@

83'&3' (7/(' (7.' (.3).304' '+' (7.' 6/(.-' 1 , -.' &/*' ('' *(.-.'(%-,.' *'0 .(4' 74' 0'1 ,.66 3:' 1 .3' ('' +'66'&' (7.' '009 ,/('3' '+' (7. -' +/(7.-*' /3)' ,-.;.3(3:' /' +-..' 0-0966/('3' /1'3:') ++.-.3(' 0/66 3:*' /3)' :-/).*' '+' 6 +.' 7.' 1/3' &7'' 2-'9:7(' (7.' :-/ 3' '+' +- 0/' ('' (7.' ,926 0' *('-.*' /(' *(/' (7.' 2/8.-' &7'' 1/).' (' 3('' 6'/;.*' +'-') *(- 29('3' (7.' 29(07.-*' &7'' 2-'9:7(' , :*' +-'1' /13 91' 90/3 /' '-' E-9((91' (7.' ,9-;.4'-*' '+' & 3.' /3)' ' 6' (7.' 1.3' &7'' +.)' (7.' +9-3/0.*' '+' (7.' ,926 0' 2/(7*' &.-.' 2'93)' ('' (7. -' 0/66 3:*' +-'1' '3.' :.3.-/('3' (' /3'(7.-$' (' &/*' (7.' ,- 30 ,6.' '+' -9-/6' *.-+)' 1' /, ,6 .)' ('' *'0 /6' +930('3*' ;.-4' /;.39.' '+' .*0/, .' &/*' 06'*.)' ' 1/3' &/*' 2'93)' (''7 *' 0/66 3:' 3'(' '3647 24' 7 *' +/(7.-<*' 29(' 24' 7 *' 1'(7.-<*' 0'3) ('3M' .3' &.-.' 3'(' ,.-1 ((.)' (''1/--4' '9(' '+' (7. -' :96) N' +' (7.')/9:7(.-' '+' '3.' '+' (7.' 2/8.-' 0/*(.' 1/-- .)' /' 1/3' 3'(' 2.6'3: 3:' (''(' 7.-' 79*2/3)' /*' 2'93)' (''7.-' +/.(7.-<*' 0/ 3:M' '(' .;.3' /') *, .3*/('3' '2(/3.)' 24' *'1.' 1./3*' +-'1' (7.' 1,.- /6' 07/30.-4N' 3'(' .;.3' (7.' ,'&.-' '+' (7.' 79-07N' 0'96)' /;/6' ('' 2-./8' (7.' 07/3' '+' *.-; (9).' 7.' 0'-,'-/(' (' *' (-9.' 7/)' 0.-(/3' ,-;6.:.*M' .5.1,('3*' /3)' /66'&/30.*' /3)' (7.' 7./)*' '+' *'1.' '+' (7.' :96)*' 1 :7(' 2.'-/*.)' (''(7.' -/38' '+' Q '93(R' E9(' (7. -' ,-',.-(4' 6 8.' (7. -' ,.-*'3*' &/*' /(' (7.' 1.-04' '+' (7.' (/(.N' +' (7.4' ,/-(.)' & (7' /3' .*(/(.' (' -.1/3.)' 6/26.' +'-' (7.' *.-; 0.' & (7' &7 07' (7.' ;.3)'-' &/*' 07/-:.)

'' 1/3(/3' *907' /' *4*(.1' /3)' (''0'93(.-/0(' (7.' .3)6.**' /((.1,(*' /(' .;/* '3' /3)' 0'--9,('3' ('' &7 07' (*':/66 3:'-.*(-/3(*' :/;.'-*.'-.C9 -.)' 0'3*(/3(' ; :6/30.' &7 07' &/*' /*' 0'3*(/3(64').+./(.)' 7.' 3/;096/-' *..1' (''7/;.' .50..).)' (7.' ;.-4' 62.-/6' /66'&/30.' '+' (1.' +'-' (7. -' ;'4/:.' &7 07' &/*' 93).-' *,.0 /6' 0-091*(/30.*' .5(.3).)' ('' (&'' 4./-*N' 7 6.' (7.' 0 (4' &/*' '3' (7.' ;.-:.' '+' +/1 3.' '-' &7.3' *9,,6 .*' &.-.' 9-:.3(64

' 6)FF?@' 'O' G_' (' * 'U ' <' H<' Q@ D C?C RQ?C @) LQF))D' L?@' E ?@' ?K@?U ?)' @ D@ ')Q RQ)C' O)DE L)D' Q@L ?@' L?@ D@ D ')NQ' F)

$ ' * 'U ' 'H')E' NQ@?C' O C' @QN' D ?LD@ Q ') @' RQ' O) D @?' RQ) N' N) D @?' PD@D D' @%D@ Q@ Q ' ?K@?]

(1'U 'H' AG

' 1'U 'W' G

g' 1'U 'W' A[' C' RQ?' L)CQ' DF ?LLQF C' DF)NK ?C C' M?L' O DL KQC' DF LQD ' D L T' ? ' G' AG' D)NC' @?C)' DF L)' QD @')F RQ)' CQK DO ?@D' D' CL O)' L 'U 'W'

' 1'U 'W' GG' ? ' &0!' * 'AB

' 1'U 'A '!' 5)) F?@

N 1'U 'H' @F' ? ' 'I' #M LM' DL)FFC')' @) LQF) ' O ?OD T' ?' MD' Q@L ?@' D D@'#MD@' MD' C)FD' ??S' OF)LD' #D@ T' TD) C' KD ? D

,' 1'U ' 'AB' L 'G' AG

('' +9-3 *7' -.0-9 (*' 3' ,-', '-('3' ('' (7.' * O.' '+' (7. -' .*(/(.* M 7.*.' 1 9*(' 7/;.' 2..3')-/&3' +-' 1' (7.' 06/**' '+' 0'6'3 ' * 30.' (7.' *(- 0(64' *.-; 6.' 06/**' & /*' .5069).)' +-' 1' (7.' ' 1 /3' /-14 N' 7.' ').' 3' (7.*.' 4./-*' *7'&*' (7/(' -.0-9 (*' &.-.' 9-:.3(64' 3..).)' 3'(' .;.3'(7.' 1 , .-'-<*' '&3'.*(/(.*' 2. 3:'.5.1 ,(.)'+-' 1' (7.' 6.;4 N' .(' &.' 83'&' (7/(' /(' (7.' (1.' '+' (7.' =)'3 0' &/-' (7.' *.3/('-*' .5.-(.)' (7. -' &7'6.' *(-.3:(7' /*' /' 2')4' (''-.* *(' (7.' 0/66' '+' (7.' 1 , .-'- $' 3)' (7.' -.*96(' '+' (7. -' .++'-(*' *' *..3' 3' (7.' .3/0(1.3(*' '+' ?# ' &7 07' :/;.' (7.1' (7.' ',('3' '+' ,/4 3:' (&.3(4 + ;.' *'6)' +'-' ./07' -.0-9 (' +'-' &7'1' (7.4' &.-.' 6 /26. N' 7.' .5069* '3' '+' *.3/('-*' +-' 1' (7.' /-14' /3)' (7.' ,-'7 2 ('3' '+' '-) 3/-4' 0 (O.3*' (''0/--4' /-1*' 7/)' ,-'>)90.)' (7. -' 3.; (/26.' -.*96(' 7.' 1 6 (/-4' *, - (' 7/)' /61 '*(') .)' '9(' /1 '3:' '1/3*' 7.' /-14' &/*' *&.66.)' 24' 0'-,*' '+' 2/-2/- /3' 1 .-0.3/- .*' /3)' (7.' 7 :7.*(' 1 6 (/-4' 0' 1 1/3)*' &.-.' 7.6)' 24' =.-1/3*' ;.-' * 30.' (7.' (7 -)' 0.3(9-4' (7.' 1 6 (/-4' ,-'+.** '3' 7/)' 2..3').06 3 3:' 3' (7.' ,926 0' .*(..1 N' .0-9 (*' &.-.' 2-/3).)' '3' .3(.- 3:' (7.' *.-; 0.' /*' +' (7.4' &.-.' *6/;.*' 3' /3' .-:/*(9691 N' 7.' /;.-* '3' (''1 6 (/-4' *.-; 0.' /,,./-*' (''7/;.' 2..3' :-'& 3:' '&/-)*' (7.' .3)' '+' (7.' +'9-(7' 0.3(9-4' (7.' ,-/0(0.' '+' *.6+ 19(6/('3' (''.*0/,.' *.-; 0.' 7/)' 2.0'1.' *'' 0'1 1'3' (7/(' (' 7/)' (''2.' 07.08.)' 24' (7.' 1'*(' 0-9.6' ,93*71.3(*N' 3' (7.' 4./-*' 2.(&..3 ?#@' /3)' V![' '3'- 9*' **9.)' 3 3.' .) 0(*' '3').*.-(' 3' /3)' (7.' 0'30./61.3(' '+').*.-(.-*N' 7.' 0- 1.' *..1*' (''7/;.' ,-.;/ 6.)' 3' / ' ,/-(*' '+' (7.' 1 , -.' 29(' (''7/;.' 2..3' *,.0 /664' -/1 ,/3(' 3' =/96' /3)' +- 0/' 7.' /:.3(*' '+' :-./(

G 9' ED' ?Q3' 8* ! ' " ' O' G <' ('* ' ' GW' _' ?' MD' TD) 'W_<

$ (' * ' ' GW' H' %MDT') D' L?QOFDE' @' M C' DULFQC ?@' # M' L)Q' O?@)D' L?RQ ' O C ? DC')@E' OD C?@C' DNOF?TDE' @')N?C)D')KDN)D

' 1' ' GW' GA' ED?RQD' @D O) N?@ QN' RQ EDN' @?C QN')' O)D' C) ?@D' I ' ?@QN'" NNQ@D' DCCD' O) NQ

' TN')5' ' BA' FDP) ' ? E @ C' DU' QCQ')L C' ?N@ KQC' D D D Q@ ' -)N' D' ?@QN' L?@RQ D ' @E L ?' D') PD@ ' @?K C')L)' P))' DC ' L')5

' B

' "' * ' ' GW' GW' @' MD' F) #' ? ')FD@C')@E' J))@' ?' H_< MD' O D QN' ?@ C' #)C' UDE') ' M T C U' ?F E

%MD' O D QN' UDE' @' MD' DE L' ?' G[' L)FF @P' ?' DL Q C' ?N' MD' ?F L)FDC' YQE LQN' ?', L)' C' M T' ?' * ' %O' GW' A[

8Q QT' ' O' A[W

' J?ED ?T C' 5)) F?@' ?' (' * ' ' A' O' A<

$ "' * ' ' GW' ')@E' B' %M) ' MD' O ?O D ?' ?N' #M?CD' DC) D' MD' DL Q ' L) ND' #)C' C?ND NDC')' O) T' ?' MD' L ND' C' NOF DE' @' MD' #? EC' E?N @@C' DYQC' RQ ' @?@' O ?M KD 'P) ' L?QEDN@)' ?@D' D) Q

' 1' ' GH' I G_' 9?' EDCD D C' @' J QF' ')')@' D) F D' OD ?E' L ' O) ' ! 8' .' & ' L' W' EDCD ? DC' RQ ' Q@L' @@QND ' J)FF)C' ?U)K)Q ' D L

&,5 4 '"$? & ' * "&"/ * 6) F8 (')$7 ()GI_

,-',- .('-* /3) (7. *1/66.- +/-1.-* &.-. ;).3(64 :6/) .;.3 3 (7. +/0. ' + ;.-4 *.;.-. ,.3/6(.* ('* 7.6(.- (7. /2*0'3) 3: *'6) .- '3 (7. - .*(/(.* +'- (7. */8. ' + 7 * 6/2'9-$ '3'-9*)'.* 3'('6 8. 7 * ,-.).0.**'-* 3 ?"[(7-./(.3 (' 29 1 (7. '++.3).- /6 ;.N E9((7. 30-./* 3: .1,7/* * ' + 7 * 6/&* ('.(7.-& (7 (7. '-:/3 *.)*./-07 &7 07 7. 3*((9(.) 3) 0/(.* (7. 1/:3 (9).' /3) 3;.(.-/04 ' + (7. .; 6N , ,/-.3(64 ,-'> ,-.('-* '-(7. -/:.3(* &.-.3'( ).(.--.) .;.3 24 (7.)/3:.-' + 0'3+ *0/('3 +-'1) *'2.4 3: 6/&* *'' +(.3 -.,./(.) '- 3 VVA &7.3 (7.:-'&(7 ' + (7. /3)/6 ,'&.- 3 +-0/9-:.3(64).1/3).) /3 30-./*.' + (7./-14 7.')'* 9* /3) /6.7(3/3 &.-.0'1,.66.) (' 1/8. (7. '++.30.' + 0'30./6 3: -.0-9 (* '-).*.-(.-* 24 /:.3(* '- 0'6'3 ,93 *7/26.' 24).//(7 M 6'3: /66 (7. +-'3(.-* ' + (7. 1, -. +'-(* /3) 0/*(6.* 7/) +'-0.3(9-.* 2..3 .-.0(.) &7 07 &.-.: /-- *'3.) 24 (-'',* 0/66.) 29-:/- N &7 ' 6 8. (7.:9 6)* ' + (7. 0/, (/6 &.-. 7.6) 3 /' *,.0.* ' + 7.-.) (/-4 *.-; (9). '&/-)* (7. .3) ' + (7. +'9-(7 0.3(9-4 (7.*. ' +-'3(.-* .3(3.6* .*,.0 /664 3 =/96 /3) ,/3 &7.-. (7.-* *.-; 0.* &.-. *''3 (' 2. 9-:.3(64 3..).) 2.:/3 (' 1.6(/&/4 (*) ++ 096((') *0';.-* (7. 3+69.30.* &7 07 6.) (' (7.-) *,.-* '3 E9(3 (7. 4./- VA#/3 .3/0(1.3(' + 7.')'* 9* /3) '3'-9*) *06'*.* 3 /' *(/-(6 3: &/4 (7.).39).) *(/(.' + (7. +-'3(.-N

3 '-) 3/-4 (1.* *6/;.* /6'3: & (7 (/;.-3 8..,.-* 0''8* 2/8.-* /3) ,.-*'3* +'66'& 3: 0.-(/ 3 3+/1'9* 0/66 3:* &.-. .5069).) +-'1 (7. /-14$ (19*(7/;. 2..3 /') -. .5(-.1 (4 &7 07 +'-0.) (7. 1,.-'- / ' 0/ 1-) -2 (' 0/66 (7. *6/;.* (' /-1* 24 (7. '++.- ' + / 2'93(4 /3) (7. ,-'1 *. ' + .1/30 ,/('3N 3 (7. */1. 4./-(7. +-.. ,-'; 30/6* .;.-4> &7.-. /-. /,,./6.) (' 24 (7. - ,-) 3 6 2.-(4 /3) 6';. ' + 0'93(-4 (' (/8. /-1* N (&/* (7. 4./- 3 &7 07 /)/:/.*9*

' 0 ' GH GA)L ? DN L?@ CL QN CD D ?CQOOF L ?E)@N)@EQN DCCD LD@CDNQC

' GH B F)NN C CLDFD) OQ@)@ Q

W 1 ' GH GW

' /+ 0

$ 0@ MD ? L) ?@ ? MD F NDC L ! 6, ' ?' GA ' ?@ MD ED D@LD ? MD J)FF L ?@ D KT)FD@ Y@)@ ,NN 1) L UU A G ?M MD 3N)@D 1 F LC # M F)@EC P)@ DE ?@ L?@E ?@ ? NF) T CD LD

! = ' ! ?' <H ' 0 ' G<' G 1) R $' ' ,, ! 0, - ' <IG ' V_ ' G< G Z ' GW' H $ 1 ' GW' GB %M C' KDF?@PC ?' MD' TD) [B')C MD' @)NDC ?' MD' ?CC' , L)E @C')@E' 5 ?KQC CF ?#' 0@ MD' E) D' ?' MD' @)C ?@' ?' /)E)P)DCQC L ' J?ED ?T ?@ ' * ' ' GW' GB' J KK?@'L' W[' 5 ?CO' (0 T f?C' 'AB \' b ' * ' ' GW' G ' %MDT') D' O ?X N CDE D ' C?F E' O)L) C' DKQC' %MD' K?Q@ T' ? D DE ?' CF) DC @' G' GB C' #?' C?F E

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,-'7 2 (.)' 93).-'/'7./;4'+3.$' -'1'(7.'L&'-)*''+'(7.'6/&''+'VA!'(7*'&/*'.;).3(64'2.0'1 3:'/'-.;'9*'/29*.''/3)'/'7./;4'29-).3'('(7.',-';30/6*'&7''7/)'('',-';).'/))('3/6'7'-*.*'('1..('(7.'*(-/3M' 3.'0/3'&.66' 1/:3.'(7/('3'(7'*.'(-'926.)'4./-*',.-*'3* 79--4 3:'('-.1'(.')*(-0(*'('6''8'/+(.-'(7.-',-;/(.'/++/-*'&'96)'24'2-2.*''-'24'(7.'66.:(1/(.'3+69.30.''+'-/38''2(/3'+-'1'(7.''++0/6*''+'(7.',*('+/06(.*''+'(-/;.>6 3:'&7 07'&.-.'+/(/6'('(7.'-.:96/-(4''+'(7.':';.-31.3('*.-;0.'/3)'3.-'9*'('(7.',-';30/6*'('(7.'*/1.'(1.'(7.-.'/-.'3)0/('3*'(7/('(7.'.++0.304''+'(7.'*.-;0.'&/*').06 3 3:' 3'.)0('+'VAV'1,6.*'(7/('(7.-.'&/*'/'+/69-.'3'(7.'*9,,64''+'*.-;/3(*'/3)''++0/6*''3'(7.':-./('-'/)*N' 3'=/96'/3)',/3'(7.'196.(..-*'&.-.'2.3:'*(./6(7 64'&(7)-/&3'M'-'6 2.-/(.)'24'(7.'7:7.-''++0/6*'+-'1'(7.'+930('3'('&7 07'(7.4'&.-.'2'93)N' 7.'/3 1/6*' 3'(7.',926 0'*(/26.*'&.-.'3'('2.3:',-',.-64'+.)''& 3:'('(7.')*7'3.*(4''+'(7'*.' 3'07/-:.N' '--9,('3'7/)'0-.,('3('';.-4':-/).''+'(7.'*.-;0.'/3)'3''3.'6/&'(7.'7./)*''+'(7.')., /-(1.3('/-.''-).-.)'('0./*.'+-'1'(7.-.5/0('3*'/3)'0'3+'-1'('(7.'-96.*''+'(7.'/30.3('*0,63.M' 7.'2')4''+'0;6*.-;/3(*'*(46.)'.-0 '/*'&.'7/;.'*/)'7/)'/*'(7.-'07.+930('3'(7.'*9,.-3(.3).30.''+'(7.',*(3:'*.-;0.''3'(7.':-./('-'/)*N'*,.0/664'L&(7'(7.'2%.0('+',-.;.3(3:'(7.'/29*.''+'(7.',-;6.:.''+'-+-/' 3'/))('3('(7*'(7.4'&.-.'.5,.0(.)('';*('-.1'(.')*(-0(*'/3)'8..,'(7.':';.-31.3('3+'-1.)''+'/34'*9*,0'9*'1';.1.3(*/1'3:'(7.',',96/('3' ('*'.;).3('(7/('/',6 0.''+'(7*8 3)' 3'(1.*''+'0'3+9*'3'&/*',.3'('')/3:.-'9*'/29*.' *'/'1/((.-''+/0('(7.*.''++0.-*'2.0/1.'*''';.3/6'/3)'',.-.**;.'(7/('(7.4'7/)'('2.'-.1';.)'/('3.'*(-'8.'+-'1'(7.',-';30.''+'+-0/'3'V!V N

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E- :/3)/:. 7/) 6'3: 2..3 / 1.3/0 3: .;6 3 (7. .*(.-3 &'-6) ;.3 3 (7. 1))6. '+ (7. +'9-(7 0.3(9-4 (7. 0'93(-4) *(- 0(* '+ (/64 7/) 2.0'1.*' 93*/+. (7/((7-'9:7> '9(*.;.3 ,-'; 30.* (7. 9*. '+ 7'-*.* &/* +'-2)).3N 3'('364 (' 0'6'3 /3) *7.,7.-)* 29((' ,-',-.('-* &(7 *,.0+.) .50.,('3* /3) (7. - /:.3(* (/66 (1.* (7. *7.,7.-)* '+ /13 91 0.391 /3) ,96/ &.-. / &6) /3) 6/&6.** -/0. $ /3) ./*64 ,/**.) 3(' (7. -/38* '+ (7. 2/3) ((&7' , 6/:.) (7. -.1'(. *7.., '+/-1* '- 3+.*(.) (7. 7:7 -'/)* 6./) 3: (' (7. 0/,(/6 3) (7. 2/6++*

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'+' (7.' :-./(' .*(/(.*' /,,./-' ('' 7/;.' 2..3' '+(.3' 3' 6./:9.' & (7' (7.' 2- :/3)*' &7'*.' *,'6*' (7.4' *7/-.)' /3)' ('' &7'1' (7.4' :/;.'+/0 6 (.*'+'-'0'30./61.3(' '6/&' '+'?"?' (7-./(.3*' (7.1' & (7' Q+6/11/.' 6(-0.*R'+'-' (7*' 0-1.$' 3'?#!' (7.' -:7(''+' 9*3:' /-1*' &7 07' 24' ./-6.-' 6/&*' &/*').3.)' (''

0;6/3*'&/*':-/3(.)' (''/66',.-*'3*'/:/3*(' 2-:/3)*M'I 3'/' 6.((.-'+' 411/079*'/2'9(' (7*' (1.N' 7.'(.66*'/'+-.3)'(7/(' 7*' 9*9/6' 1:-/('3' (''7*'0'93(-4'*./(' 3' /1,/3/'&/*M' ,-.;.3(.)' 24'(7.',-.;/6.30.''+'2-:/3)/:.' 3'(7.'3.:72'9-> 7'')'+' '1.' 3'/3'.)0('+'?##M' '3'-9*'-.+9*.*' (7.' -:7('+'9*3:'7'-*.*'*'' 3.0.**/-4'('(7.-' '009,/('3'('' (7.' *7.,7.-)*' '+' /6.-/3)' 0.391' 7.'+..63:'/2'9(' (7*' (.1,(/('3' '+' (7.' *7.,7.-)<*' 6+.' *' 09-'9*64' 669*(-/(.)' 24' /'6/&' '+' VA#N' &7 07' &/-3*' /66' 09-/6.*',6.2./3*'/3)' ,'**.**'-.*'/:/3*(' *.3)3:'(7.-'*'3*' (''2.'39-*.)'/1'3:' *7.,7.-)*' 7.'(.-1*'+'(7.'.)0(' 1,64' (7/(' *7.,7.-)' /3)' 2-:/3)' 7/)' 0'1.' (''2.'/61'*(' *43'341'9*' E9(' (7.' 2/3)*' '+' '9(6/&*' &.-.'-.0-9(.)' 3' (/64' /3)' =/96' +-'1' /3'(7.'O6/**'+'&7'1'*'1.(73:'7/*'/6-./)4'2..3'*/)' 7.' 0'93(-4')*(-0(*'*..1'('' 7/;.'2..3' 3+.*(.)'24' 1.3'&7''7/)').*.-(.)'+-'1'(7.'*(/3)/-)*'/3)'&7''3'7)3:'+-'1'(7.' '++0.-*'+'(7.'6/&'2.(''8'(7.1*.6;.*'('' ,693).-'+'-'*9,,'-(' 966',&.-'('' 0-9*7'(7.*.')/3:.-'9*'0-1 3/6*' *':;.3'('' (7.' ,-';30/6*' 3'/'6/&'' '+' VA?N' &7 07' O6/**.*').*.-(.-*' & (7' , 0 ' /3)' (7.'.)0('+'VA@ $''-).-*' (7.' -.('-/3' ,-.+.0(' (''3+6 0(' 0/,(/6',93*71.3(''3'+9:(;.'*'6).-*' &7''7/;.' 2.(/8.3'(7.1*.6;.*'('' (7*6+.''+'0-1.' -'1'*'1.'6/(.-',/-(*' '+'(7.' ').' &7 07' /-.*9,,'-(.)' 24' '(7.-' /9(7'-(.*'(7.-.' 0/3' 2.' 3'')'92(' (7/(' (7.' 2/-2/-/3' 3;/*'3*' 6.(' 6''*.'/' :-./(' 1/**'+').*,.-/)'.*' '3' (7.'0'93(-.*' (7-'9:7' &7 07' (7.' 3;/).-*' ,/**.)' ''-' 1.3' &7'' 7/)' 6'*(' .;.-4(7 3:' &.-.' /61'*(' +'-0.)' (''%' 3' (7.':/3:*'+' 1/-/9).-*' &7''*&.,(';.-' (7.'0'93(-4N' '','.3'/'&/4'+'-'*907',.-*'3*' (''-.(9-3' (''/3

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@EQF Q)' %M C' F)#' C')' P D)' L?@X DCC ?@' ?' #D)S@DCC' @' MD' P? D @ND@' L' U' G' A
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' ')F' 'S-1'4' 'e' A' L' B' L',O?FF' E' 5' ' '#FFD ')'#?N)@' M)C' KDD@' L) DE' ?' KT' MD') P' 9?' K P)@E@' YD' @' J)QF' @' WBI' ?' ,NN' 1) D' UU 'A' G[' ')@E' 0 ?)' 'A<' A' 0@' MD' L)N))D' @' -? LQN' 08

'-).-64' 6+.' (7.' 1,.-'-' 3' V ! @ ,-'06/ 1.)' /' :.3.-/6' /13.*(4' +'-' /66' (7 *' 06/**' '+' '++.30.*'+'-'&707' 7.'+3)*' /3' .509*.' 3' (7.' ';.-&7.61 3:'0/6/1 (.*' '+'(7.'(1.

3' :.3.-/6' (7.' *:3*' '+' :-'& 3:' 1,';.-*71.3(' 2.0'1.' 1'-.' /3)' 1'-.' +-.C9.3(' /3)' (7.' +'3.' '+' (7.' 6/(.-' .) 0(*' *7'&*'7'&').. ,64' (7.' '1/3' *(/(.*1.3'&.-.' 1,-.**.)' 24' (7.' 1 *.-4' '+' (7.' 6'&.-' 06/**.*' '(.-- 26.' +/1 3.' &707' -/:.)' (7-'9:7'9(' (/64' 3' VXA' 7/)' /0(9/664')-;.3' 1/34' '+' (7.' ,''-' ('' *.66' (7.-' 07 6)-.3' 3('' *6/;.-4' 3' .) 0(' **9.)' '3' (7.' *9:::.*('3'+' .(9*$'0/30.66.)' /66' *907' 0'3(-/0(*''3'-.> ,/41.3(('' (7.' ,9-07/*.-'+' (7.' ,-0.' &707' (7.' ,/-.3(*'7/)' /00.,(.)'&(7' /3' /))('3'+' [A' ,.-' 0.3(' 7.' ,693).-'+' ('12*'+'-'(7.'*/8.''+'(7.'0'*(64'1/-26.*'(7.4'0'3(/3.)'*..1*'('' 7/;.'2.0'1.'/'0'11'3''++.30.N' 7.'.) 0('+' /6.3(3/3' ' '3'(7*'*92%.0(' *'+966' '+' '6)' '1/3'*.3(1.3('/2'9('(7.')./)' /3)'*(-/3:.64'-.*.126.*' 3'('3.'(7/('+'B96/3' 3'&707'7.').6*' &(7'(7.'*/1.'0-1.M' (*'.3'-1(4'/3)',.-7/,*' (*'+-.C9.304' /-.' 3) 0/(.)' 24' (7.' 7./;4' ,.3/6(.*' &707' &.-.' 1,'*.)' ('-(9-.')./(7''-' 0'3+*0/('3' /00'-) 3:' ('(7.'*'0/6':-/).''+' (7.' 0-1 3/6' (7.-' 3) 0/('3*' '+' +/6 3:'-.*'9-0.*' 1/4'2.' *..3' 3' (7.' 6/&*' -.6/(3:' ('' ,926 0' &'-8*' /3)' 29 6) 3:*N' 6-./)4' 3' (7.'-.:3' '+' '3*(/3(3.'(7.' 1,.-'-' 0'1,6/3*' '+' (7.' 3.:6.0(N' &707'&/*' /66'& 3:' (7.1' 3' 1/34' ,6/0.*' (''+/66' 3('').0/4' 7.'/9(7'-(.*'/-.'-.C9-.)' 24' =-/(/3' /3)' 7.')'*9*' (''-.,/-' /30.3(' 29 6) 3:*'2.+'-'93).-(/8 3:'(7.' .-.0('3'+'3.&''3.*‹$ '3'-9*'+'-2)*'(7.'/6.3/('3''3'/34' ,-.(.5('+' 193 0 ,/6'+93)*'&707 7/;.'2..3'6'3:'/66'0/(.)'('' (7.'-.*('-/('3''-').0'-/('3''+' ,926 0' .)+0.*N' 3'/3'(7.-' .) 0(N' (7.'-.,/-'+'/30.3(' 29 6) 3:*'+/66.3'3('' /'-9 3'9*'*(/(.' *' ,-';).)'+'-'9(''+'(7.' 30'1.''+'(7.' ,926 0' 6/3)*' (

.QP OO' ! ' '' ' !' L' =' P' %MD' 7)P)QE)D' @' J)QF')@E' O)@' M)E')MD')' E D D@' LM))L D')@E' ? P@' %MD')Q M? DC') D' P D@' @' 8D' ?QF)@PDC' 8* !' ? 'O' G[A' @' G' L' 9)Q DF' 'GHB', @?FE' 0!' , 0 VJ' GBW' E)' (0 ')E')' G' W' I ' (' * ' = ' G ' G

' &0!' 7, ' GG' @? QN' DC' ?KCLD@ CC N)N')NDN' OD' ?)N')F)N' EDC)D CCD L?)L ?CRQD' M?N @DC' F?7D' O) ?@ DC' D@E? C' Q' E C? ND@' @C)@ C' N? C' DF%QPD D@ ' (' * ' W' G

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&'96) /,,./ (7/(' (7. 1930 ,/6 (.* +'93) /3 30-./* 3:
) ++ 096(4 3 1..(3:* *907 .5,.3) (9-. 7. /,,-',-/('3
24 ,-;/(.,.-*'3*' + ,9260 *,/0.* /3) .)+0.* *).6(' & (7
3 *.;.-/6 6/&* '+ (7. */1.,.-') $ 7. ,9260 '++0/6*
2.0/1.;.-4 6/5 '-0'--9,(' 3 ,.-1 ((3:* (7.).1'6 ('3' '+
(-90(9-. &707 &.-. '+(.3 3(.-.*(3:* +-'1 /30 .3(' /**'0 />
('3* '- /-(*(0 2./9(4 7. 1,.'- /%'-/3 3 7 *(''
2- .+ -. :3 .5.-(.) 7 1*.6+ (' 07.08 (7 * ;/3)/6*1 /3)
:-..) .).3'930.* & (7 :.39 3. 3) :3/('3 (7.)0-1 3/6
3.:6 :.30. &707 7/) 6'3:, .-1((.) (7. 2./9(4 '+ (7.
;.3.-/26. 0(4 (' 2.).+/0.) 3 '-).- (' ,-';).07./,
1/(.-/6*+'- 1./3 ,-;/(.29)) 3:*M 34 1/:*(-/(.+'-(7.
+9(9-. 0'33 ;3: /(' /3 3+-3:.1.3(' '+ (7 * 6/& * (' 2.
,93 *7.) 24 /'+3.' + +(4 ,'93)* '+ :'6) /3) /34*92'-) 3/(.
'++0/6* 1 6/-64 :9 6(4 *('2.+6'::.) /3) 7/;.2'(7 7 *7/3)*
09(' ++ .-./3) (7.-. & :.(' /:6 1,*.' '+ (7.-9 3 & 707 (7.
0'3+9* '3' + (7. (1. 2-'9:7(' *9)).364 '3' /'30., -'*,.-'9*
06/** 3 (7.-. :3' + /6.3(3 /3 '/1'3:' (7.0-'&)* &7''
&.-.)-;.3 +-'1 (7.-7'1.* 3 +-0/24 (7. /3)/6 3;/* '3
(7.-. & .-. 1/34 1.3 '+ -/38 /3) .)90/('3 &7'' +'93) (7.-
& /4 (' (/64 /3) *'1.' + (7.1 /,6.) 3 (7.-) *(-.** +'-
6./;.(' ,-/0(*./* /);'0/(.* 3(7. (/6 /3 0'9-(* 7. 1,.-'-
:-/3(.) (7.-.C9.*(' 3 /-.*0- ,(' -.,./6 3:' (7.0'3*(9('3' +
VV[&707 6 1 (.) (7.3912.- '+ (7'*. &7'' &.-. /66'&.) (''
,6./) 2.+'-. (7. ,-';30 /6 1/:*(-/(.*N 7.6/(.- ,/:.* '+
(7. ').& 66 '+(.3 *9::.*(' * 1 6/-, 0(9-.* '+1/34 /3 '2*09-.
(-/:.)4 (''(7. 1/:3/('3' + (7.*41,/(7.(0*(9).3(' /1 3.
/3) 3;/* '3 (''8 (7.-9*9/6 (/6.' +; 0(1* E9(' (7.-& '-*(
-/;/:.* /-. 9*9/664 *''3' 26(.-/(.) '-.-,/-.) 24 (7.8 3)64
+'-0.* ' + /(9-. 7. ';.-&7.61 3:' (-/:.)4 '+ (7/(' /:.
&/* (7.-.*96(' 3'(' '+ ; '6.3(' /3) *9)).3 0/6/1 (.*F (' &/*
,-.,/-.) 24 (7.*6'& 1.-0 .** /0('3' '+ *'0 /6 /3) .0'3'1 0
6/&* ' /3)).,.3.) 24 (7. ,.-;.-*. .3.-:4 '+ :';.-31.3(
/3) (7.09,) (4 /3) 0-9.6(4 '+ (7.-07 /3) 7 :764 ,6/0.)
3 (7.+'66'& 3:07/,(.- &.*7/66 (-4 ('-./6*. (* 1/:3 (9).
/3) '') *0';.- (* 0/9*.*

G, * = GG [G O) QN)F RQ E DO) Q N)P@)
$?Q %,: B)@ RQ) QN)DE QN E QQ@ Q
E CC O) Q CODL ?C) ??@C QL ?D Q (&O! * B[L W

-.)90.' ('').,.3).30.' (7. -' 93+'-(93/(.' 3. :72'9-*' 3' (7 *' *.6+ *7' ,'6 04' (7.4' &.-.' /).)' 24' (7.' (4-/334' /3)' ;.3/6 (4' '+' (7.' '++ 0 /6*' '+' (7.' (-./*9-4' &7'*.' .5/0('3*' 07 0/3.-4' /3)' 0'--9,(' +/;'9- (*1'*..1'('' 7/;.' 2.0'1.' 1'-.' */1.6.**' /3)' 0-9.6' 3' ,-',-('3' ('' (7.' &./83.**' '+' (7. -' ; 0(1*' /3)' (7.') ++ 096(.*' '+' (7.' (1.*' 3)' &7 6.' (7.' /-*('0-/(0' 06/**' &.-.' 2.0'1 3:' 1'-.' *.6+ *7' /3)' (7.' 0 ;6' *.-; 0.' 1'-.' ',,-.** ;.' /3)' 0'--9,(' (7.' 0.3(-/6' :';.-31.3(' &/*' :-'& 3:' +..26.-' (' */&' (7.' .; 6*' &7 07' &.-.' 1,.- 66 3:' (7.' *(/2 6 (4' '+' *'0 .(4' /3)' 1/8 3:' ,-'; 30 /6' /)1 3 *(-/('3' /' *43'341' +'-' '-:/3 *.)' 2- :/3)/:.' (*' .3/0(1.3(*' /2'93)' & (7' +966' /3)' /009-/(.').*0- ,('3*' '+' (7.*.')*'-).-*' /3)' +.-0.' (7-./(*' '+' ,93 *71.3(' /:/ 3*(' (7.' 0- 1 3/6*' E9(' (7.' .3)6.**' -.,.(('3' '+' 0'11/3)*' &7 07' &.-.' 0'3*(/3(64')*'2.4.)' &/*' (7.' *9-.*(' * :3' '+' 1,'(.30.' 7.').0/4' '+' (7.' 1))6.' 06/**' (7.' /:: </3) *.1.3(' '+' (7.' /-*('0-/04' /3)' (7.').+ /3(' (4-/334' /3)' ;.3/6 (4' '+' (7.' (/5 :/(7.-.-G (7.*.' /-.' (7.' '1 3'9*' +/0(*' ('' &7 07' /61'*(' .;.-4',/:.' '+' (7.' 6/(.-' ').' 2./-*' & (3.**

34' '3.' &7'' & *7.*' (''93).-*(/3)' (7.' 1./3 3:' '+' (7.' :-./(' *'0 /6' 0/(/*(-',7.' '+' (7.' + +(7' 0.3(9-4' 19*(' + 5' 7 *' /((.3> ('3' '3' (7.' 0'3) ('3' /3)') *(- 29('3' '+' 6/3).)' ,-',.-(4' /3)' '3' (7.' 06/**.*' &7'' ,'**.**.)' (' 7.' +-9 (*' '+' /:-096(9-/6' 3)9*(-4' &.-.' /(' /' '(1.*' (7.' :-./(' *'9-0.' '+' '1/3' &./6(7F' (7.4' &.-.' ,-. .1 3.3(64' *'' 3' (7.' ,.-')' &(7' &7 07' &.' /-.' 0'30.-3.)' (' *' 09- '9*' ('' 3'(0.' 7'&' *1/66' /',/-(' '+' (7.' 7.')'*/3' ').' *').;'(.)' ('' (7.' *92%.0(' '+' (-/).' /3)' 0'11.-0.' 936.**' &.' 0'1,-.7.3)' 93).-' (7/(' 7./)' (7.' 6/&*' -.6/(3:' ('' (7.' 1/34' 7.-.)(/-4' :96)*' &7 07' 93).-' (7.' *9-;.66/30.' '+' (7.' (/(.' &.-.' .3:/:.)' 3' (7.' ,-')90('3' /3)')*(- 29('3' '+' 0'11') (.*$' 7.-.' *' 3)..)' /'*.0('3').6 3:' &(7' (7.' *,.0 /6' (/5' '3' (-/).-*' 0'66/(' ' 69*(-/6*T' E9(' (7.' 0'11.-0 /6' 06/**' 3.:'(/('-.*T' &.-.' 3' (7.' + +(7' 0.3(9-4' ,-'2/264' '3' /' 1907' 6'&.-' *'0 /6' 6.;.6' (7/3' (7.' 7912 6.*(' 6/3).)' ,-',-.('-' 7.' *.3/('- /6' '-).-' &.-.' +'-2)).3' (' .3:/:.' 3' (-/).$' 7.' 09- /6.*' &7'' +'-1.)' (7.' :';.-3 3:' 2')4' '+' (7.' 1930 ,/6 (.*' /6(7'9:7' *'1.' '+' (7.-' 1.12.-*' 1/4' 7/;.' 2..3' (-/).-*' /6*'N' &.-.' .**.3(/664' /' 06/**' '+' 6/3).)

' '* 'U ' 'G'B' 7S'U ' ' ! <, - ' 'AW[
3'ED)FC' # M' MD' CODL)F')U' bFQC)FC' ' ' 7' * ' ' <' O' GG' / D C
L?FF) ?'" NO?CDE'?@')ED C' !')' P??E' jE')@E'U 'G' AG
C@NN)T' @' 1) RQ) E' 0 ' ',, # W:N'U 'G' ' ' J?ED ?TC@?D

, - ' , - .('-*' &7'*.' , '* ('3' 3' (7.' .4.' '+' (7.' (/(.' &/*' +5.)' 24' (7. -' /0-./:.$' +'+'-(93.*' &.-.' /0091 96/(.)' 3' 0' 1 1 .-0.' (7.4' 7/;.' 6.+(' +.&' (-/0.*' 3' (7.' ,/:.*' '+' (7.' ').')'3 9*' 3' (7.' *.0'3)' 7/6+' '+' (7.' + +(7' 0.3(9-4' : ;.*' /3' /00'93(' '+' (7.' (-/) 3:' ;.3(9-.' '+' /' 1 .-07/3(' /(' /-2'33.' 7.' 1/3' 7/*' '3' (7.' 0-.) (' '+' 7 *' :' ')' 07/-/0(.-' 2'--'&.)' /' 6((6.' 1 '3.4' +-' 1' 7 *' +- .3)*' & (7'9(' '(7.-' *.09- (4' /3)' *' :' 3:'(' 3;.*(' (' 3' ,9-07/* 3:' *' 1 .' '+' (7.' 0/-:' '+' /';.**.6' &7 07' 7/*' 0' 1 .' 3('' ,'-(' (' /,,./-*' +-' 1' (7.').*0- ,('3' (7/(' (7.' ,9-*9 (' &/*' 3' (' ;.-4' ,-'+ (/26.' 3'-' -.*,.0(.) N' 3' '3.' '+' (7.' 6/(.-'.) 0(*' &.' + 3)' 1 .-07/3(*' -.(- 3:' +-' 1' (7.' :-./(.-' 0.3(-.*' '+' 0' 1 1 .-0.' ('' -.1'(.' ,6/0.*' & (7' (7.' '2%.0(' '+' .*0/, 3:' (7.' *,.0 /6' (/5' '3' (7. -' 0/66 3:' (' +'66'&*' . (7.-' (7/(' (7.' 1 ,'*(' &/*' ;.-4' 7./;4' '-' .6*.' (7/(' (7.' ,-'+ (*' '+' (-/).' &.-.' ;.-4' * 1 /66' (' 7/*' '+(.3' 2..3' ,' 3(.)' '9(' (7/(' (7.' &/-*' /3)' *'0 /6' 0' 3+9* '3' '+' (7.' 6/((.-' ,/-(' '+' (7.' (7 -)' 0.3(9-4' :/;.' /' *7'08' (''10' 1 1 .-0.' +-' 1' &7 07' (' 3.;.-' -.0';.-.) N' 3' (7/(') */*(-'9*' (1.' (7.' ;/*(').*(-90('3' '+' &./6(7' (7.' 3(.--9,('3' '+' +-..' 0 -096/('3' '3' (7.' :-./(' -'9(.*' (7.' 6'**' '+' 0'3+).30.' /3)' (7.' ,'-(.3('9*').,-.0 /('3' 3' (7.' 09--.304 M' 1 9*(' 7/;.' ',-/(.)' & (7' 0-9*7> 3:' .++.0(' '3' (7.' (-/) 3:' 06/**' '-' &/*' (7.' + +(7' 0.3(9-4' /' ,.- ')' 1 '-.' +/;'9-/26.' ('(7. -',9-*9 (*' 7.' 3;/* '3' '+' (/64' 24' 6/- 0' /3)' /)/:./.*9*' (7.' 3;/* '3' '+' =/96' /3)' ,/ 3' 24' (7.' 9.;.*' /3)' /3)/6*' (7.' 3-'/)*' '+' (7.' 93*'93).-' ((6/' (7.'-/)*' '+' /5'3', -/(.*' '3' (7.' *7'-.*' '+' (7.' (6/3(0' /3)' (7.',-.*.30.' '+' (7.' +6..(*' '+' =.3*.- 0' 3' (7.' .) (.--/3./3' 19*(' 7/;.' 1/).' (7.' (-/).-<*' 6 +.' '3.' '+' :-./(')/3:.-' /3)' /35 .(4' /3)' ,-'2/264' 09-(/ 6.)' (7.' ;'691.' '+' 0' 1 1 .-0.' ('' /3' .3'-1'9*' .5(.3(' /&' *.3(1.3(' (7.' 0'9-*.' '+' .;.3(*' &.-.' 7'*(6.' (''(7.').;.6',1.3(' '+' /' :-./(' 0' 1 1 .-0/6' 06/**' 7.' &./6(7' 2'(7' '+' (7.' 1))6.' /3)' '+' (7.' 9,,.-' 06/**' &/*' /61'*(' .3(-.64' 3' (7.' *' 6' /3)' (*' +-9 (*' /3)' 3' (7.' /2*.30.' '+' +-..' 3)9*(- /6').;.6',1.3(' (7.-.' &/*' 6((6.

' "' * ' U ' G' WW' Q ' RQ LQ @RQD' QF)' P @ RQ @RQD' YQPD)' O) ?' E?N @ ?' O?CC ED@C' D L' Q) ' L?@' C? ?' @E LD Q ' E')5' ' H' ,O LQN' ?KF) ?' O)QOD DN')N' C?F)')D L)@E')L ?@D' CQ) D@)' -? LD' F D' L?@ DNO' ?' M)' OQ CQ ' DUO DCCDE' @' &0!' * ' <G' RQ?7' @ C' @E P@)' D ' OQED@E)') N) ? @?N @ '@DP?) ?')F? D ' U'O?C)D@')')N C'OD LQF?' @E L) ' 8Q QT' 6 ' $0 ' ' H_H' L ' ' O' IH' ?' MD' C) D' ?' ')ED' @' MD' ,@ ?@ @D' OD ?E' 9?' MD' CM?LS' ?' L?NND LD' @' MD' M E' LD@ Q T' !' 8D' ?QF) PDC' 8 !' " ' OO'G[A'G[H ' 8Q QT' ' WHG' L ', @?FE' ' , 0 ' O' G_W' 1) R' ' AH

' 3 (6+. (-/) (' 3 ' + ' ++ 0 /6 *.-; 0. /3) (' & 3 + , '** 26. / 7 :7.- ,6/0. (7/3 (7. -/30.*('-* 7/) 7.6) E9((7. :-./(1/** ' + (7. *.3/('- /6 06/** &.-. 1 .-.64 6/3) '&3.-* '3 / 0'3*).-/26. *0/6. *92%.0((' 0.-(/ 3 1 , '*(* ,.096 /- (' (7. - '-).- 29(' '3 (7. '(7.- 7/3) .3%'4 3: 0.-(/ 3 ,- ; 6.:.* /3) .5.1,('3* + (7.*. .5.1,('3* (7. 1 '*(1 , '-(/3(&/* (7/(&7 07 -.6 .;.) *.3/('-* +-' 1 193 0 , /6 29-).3* $

7. 193 0 , /6 (4 3 *, (. ' +).* :3/('3* &7 07 1 :7(*9::.*('(7.- 0'3069* '3* &/* 3'(0'3+ 3.) (' (7. &/66* ' + / ('&3F$ (3069).) 2.*).* (7. ('&3 / &). /-./ ' + -9-/6) *(- 0(.5(.3) 3: -'93) (' '+(.3 +'- 1/34 1 6.* -' 1 ' (7. .3) ' + (7. *.0'3) 0.3(9-4 (7. 193 0 , /6 0'3*((9('3 / * (*) .*0- 2.) 3 (7. :.*(/3) 1/34 3*0- ,('3* N 7/) 93).-> :'3. *.- '9* 07/3:.* 3 (7. 0.3(9-4 +'66'& 3: (7. -. :3 ' + '3*(/3(3. (7/) +/66.3 3('-- ., /-/26.).0/4 M 7. 0.3> (-/6 */('3 ' + :';.-31.3(/3) (7. 196(,6 0/('3 ' + 1 ,.- /6 +930('3/- .* 7/) .5(3:9 *7.) (7. +-.. 0 ; 0 6 +. &7 07 &/* 3 /3 ./-6 .- ,.- ') (7. :-./(.*(:6'-4 ' + '1/3 /)1 3 *(-/('3 7. , ', 96/- /**.126 .* 6'*((7. - -:7(' + .6.0(3: (' (7. 193 0 , /6 1/: *(-/0 .*FN (7. 6'0/6 *.3/(. ' -' 09- / &/* 3' 6'3:.- 0'1, '*.) ' + 1.3 &7' 7/) 7.6) (7.*. ' ++ 0.* N 29(' + (7. 6/3)7'6).-* &7 ' , '**.**.) 1'-. (7/3 (&.3(4 + ; .%9:.-/ <$ ((7.*/1. (1. (7. 09- / 2.0/1. 6.** 0'30.-3.) & (7 (7. 6'0/6 3(.-.*(* ' + (* 193 0 , /6 (4 /3) 1'-. /3) 1'-. 29-).3.) & (7)9(.* (' (7. 1 , .- /6 :';.-31.3(7. - -.*, '3* 2 6 (.* 3)..) /* (7. :';.-3 3: 2')4 ' + (7. - 0'1 193 (4 &.-. 7./;4 .3'9:7 7.4 7/) (7. 1/3/:.1.3(' + (* + 3/30.* N /3) +966 6 /2 6 (4 + '- (*).2(* /3) .+0 (* 7.4 7/) (7. 07/-:. ' + (7. , '6 0. /3) ' + /66 - '/) *2-):.* /3) , 926 0 29 6) 3:* 7.4 7/) 0.-(/ 3)9(.* 3 0'33.0('3 & (7 (7. 0'1 *9, ,64 /3) (7. -.6 .+ ' + (7. , ''- 7.3 (7.4 -', (' (7. 7 :7.- 6'0/6 1/: *(-/0 .* (7.4 7/) (' 2./- 7./;4 /3) *'1.(1.* -9 3'9* .5, .3*.* + '- (7. /19*.1.3(* ' + (7. , ', 96/0. , -.*0- 2.) 24

' U * ' W A CD@) ?)D)@L ?@C LQ)DRQD C @QFF) L?@ YQ@L ?' G W C D D@ LFD) D ' *) ?Q)F KQ) D C CD@) ?) PFDK) E C L D)'C

$ 9 ED ?QF)@PDC 8, ? , ' 60 ' O' AAH

' 6)FF?@ ' 8) , ! ' ' G_I ' ' CDD 1) R@) E ' ' J '?@ MD @CL O ?@C ? ' 1)F)P))@E)FOD@C) ' L ' , @?FE C

$0 ' 0! . , ' , 0 ' QO' AA< AW_

' 1) R@) E ' ' <G[(1 ' ' BH ' BI ' ' ' B[W ' ' 0' U ' G ' HW

$ 9 ED ?QF)@PDC 8, ? , - ' 60 ' A ' AOF ' 8Q QT ' 6 ' 60 ' ! ' H_I ' @ G ' 0' U ' G ' WW b\ 8D OO' 5QKF ^"

',3'3'</3)'09*('1' +'3'('24'6/&$' E9('+/-'7./;.-'/3)'1'-.'0-9*73:'(7/3'(7.*.'&.-.'(7.-'2 :/('3*'('(7.' (/(.'('&/*'(7.' ,-/0(0.' '+'(7.' '1/3' :';.-31.3('('') .;'6;.'(7.'0'66.0('3' /3)' .;.3'(7.'/,,'-('31.3('+'/'(/5' '3'(7.'06/**' &7'' ,/)'(N 7.3'(7.' 1,.-/6' /9(7'-(.*'**9.)'(7.-' ,-.0.,('+'-'/'0.-(/3' 1,'*(' ,/4/26.'24'(7.'6/3)7'6).-*'+'/')*(-0('3'1'3.4'-'3'8 3)'(7.'1.12.-*'+'(7.'6'0/6'09-/'7/)'3'(' '3664'('+5'(7.'/**.**1.3(' '3'(7.' ,-',-.('-*' 3' ,-','-('3'('(7.-'7'6)3:*'29('(7.47/)'(7-'9:7'*'1.''+'(7.-'1.12.-*'(7.' .;.3'1'-.' 3;)'9*'(/*8'+'0'66.0(3:'(7.'/1'93(' ,/4/26.'24'./07N' 3'/))('3'('/66'(7*'/3)'('&/*'/','-(.3('9*'/))('3'3'(7'*.'(1.*'(7.'09-/6.*'&.-.'6/26.',.-*'3/664'+'-'(7.'&7'6.'/1'93('/3)'7/)'('1/8.':''')'/34').+0.304'3'(7.'0'66.0('3' 7.4'7/)'/6*'' '3.-'9*'6/77(.*'+'-'(7.'16(/-4'0'11**/-/('/3)'(7.'1/3(.3/30.''+'(7.','*(3:'*.-;0.''3'(7.':-./('-'/)*M' 3'(7.'/**.**1.3('/3)'0'66.0('3' '+'(7.' 1,.-/6'(/5.*'(7.-' &/*'-''1'+'-' 3%9*(0.';.3/6(4'/3)'0-9.6(4' 3)'(7.-.'0/3'2.'6((6.')'92('(7/('(7.'09-/6.*'*'1.(1.*'/29*.)'(7.-'(-9*('*''(7/(' /6;/39*'N0'96)'/*8'Q'92'3'3'C9'('+9.-3(' 9-/6.*'('(4-/33'*93('HR' E9('+-/9)96.3(' :/3*'0/3'7/;.')'3.'6((6.'('/66.;/(.'(7.'&.:7('+'/'07/-:.'&707'/*(1.'&.3('32.0/1.'1'-.'/3)'1'-.'0-9*73:' '-.';.-'(7.'09-/6'06/**'&707'7/)'('7./-'('&/*'07.+64'7.-.)(/-4N'/*.;.-4'(7.-06/**'/3)'0/663:'+-'1'(7.'7:7.*('('<'(7.'6'&.*(<$(.3).)'('2.0'1.' .3'&(7'(7.'-.C9-.)'13191''+'6/3).)',-',.-(4'&.-.'+-'1'(1.'('(1.'0'1,.66.)'('.3(.-'(NE9('(7.',6.2./3'06/**'0'1,'*.)'+'(7.';/-'9*'0'-,'-/('3*'+'+(..'6/2'9-.-*'/-(*/3*'/3)',.((4'(-/).-*'+.30.)'3'/3)

'('*'9'ED'?QF)@PDC'8,'?,-'$0'O'A<A'9)Q DF''W_A''6)FF?)'8).,!''GHG

"'*'U'_'GA'L'J?ED ?T C'5))F?@' ?' U'G b\ 8D',Q@?Q)'D'% KQ)^'"'?'U'G'G_

'1'U'G'GG_'%MD'O@'LO)FDC')D'MD)D@DE'#M'?QD'?'DNKD]]FDND@'')QEQFD@''CCDCCND@C')@E'DULDCC D'DU)L ?@C'L'G'B'%MD'LQ)' LM?CD' L?FFDL ?C'?'D D@QD' ?N')N?@'C' NDNKD C')@E'#)C'L?FFDL DFT'F)KFD'?'MD')QE'?'@DPF PD@LD' 'U'B'I'9)Q DF''WBA

'('*' '<'AB'B

'@A'?-1'4''GH

'%MD'LF)CC')C')'#M?FD'C'EDCL KDE'? D@'@'('*'U3'G)C?N@)FC'DU'PD@D D'Q)F')NF)'Q)F'?'C)@PQ @D' '?KC L'DL' 'J?EDX ?T C'5))F?@'?'U'G'' 'O'H<W

'('*' 'A[G<'#MD D'D D@'DN)FD'EDCLD@'K @EC'MD'LM FE D@'?')'L? X O?)?@'%MD'7Q P) '?'PQ) EC'?'MD' ?@D'?C'#D D'O)L L)FFT'OQKF L'CF) DC'F SD'MD'NQFD FD C'D L'?'MD'LQ CQC'OQKF LQC' ' 'G'G' 'G<'G'#M'J?ED ?T C'@? DC'6)FF?Q'%4-5+' 'G_B

'('*'U'G'WW'L'G'<W

7 / 1 , . - .) 3 /66) -.0('3* 24 1 , .- /6 6.: *6/('3 0'96) 3 '(+9-3 *7 1 /34 -.0-9 (* (' + 66 (7. :/,* 3 (7. 09- / 7. 6/(.- 6.: *6/('3 *.. 1 * (' /0(9/664) *0'9-/:. (7. 1.-07/3(+-' 1 3 ;.*(3:' 7 * :/ 3* 3 6/3) $ /3) * '' 2.0' 1 3 : / 1 .12.- ' + (7. 1 9 3 0 , /6 0'-,'-/('3 . 7/;. *..3 -./*'3 (' 2.6 .;. (7/((-/) . 3 (7. +'9-(7 /3) + +(7 0.3(9- .* &/*' 3 '(,-'*, .-'9* /3) (7. -9 3 '9* 0'3) ('3 ' + 1 9 3 0 , /6 + 3/30. 1 :7(& .66) .(.- /34 3. & 7 '' 7 /) 2..3 .50.,('3/664 +'-(93/(. 3 0' 1 1 .-0. +-' 1 1 /8 3 : /3 3 ;.*(1.3(& 7 07 .3(/ 6.) *907 , .-*'3/6 - *8 /3) *907 30/6096/26. '26 :/('3*

7. .1 , .-'-* & .-. +9 4 /& /-. ' + (7. 1 , '-(/30. ' + /' 06/** '3 & 7 07 7/) 2..3 6/) *907 /' & . :7(' + -.*, '3* 2 6 (4 ' +. & .-. (7/3 ! # [.3/0(1.3(* 3 (7. 7.') '* /3 ').. ' (':.(7.- & (7 *' 1. ' + (7. ' ';.66/. ') ./6 & (7 (7. , '* ('3 /3)) 9(.* ' + (7. 09- /6.* 7. 09- /6.* /-.).*0- 2.) 24 /%'- /3 /* (7. 3.-; -. , 926 0/. /0 ; *0.-/ 0 ; (/(9 1 R M /6(7'9:7 *900.** ;. .1 , .-'-* +-' 1 '3*(/3(3. (' /%'- /3 7/) (' 6/1.3((7/((7.*. Q * 3. & * ' + (7. 0'1 1 '3 & ./6(7 R & .-.) / 64 :-' & 3: & ./8.- N '3;.3('3/6 6/3:9/:. '-, '6 04 3)..) 8., (9, (7. + 0('3 (7/((7. M , '* ('3 ' + (7. 09- /6 * & /* /3 .3; /26. /3)) :3 + .) '3. 7. 1 9 3 0 , /6 2') 4 *).*0- 2.) 3 (.-1 * & 7 07 & .-. '- : 3/664 / , , 6 .) (' (7. .3/(. ' + (7. 0/, (/6 /3) & 7 07 1 /4 7/;. 7/) / 0.-(/ 3 %9*(+ 0/('3 3 (7.) /4 * ' + +-. 1 9 3 0 , /6 6 +. & 7.3 / *./(3 (7. 6'0/6 .3/(. & /* -.*.-;.) + '- 0 (0.3* & 7 ' 7/) + 66.) (7. 7 :7.- 1/: *(-/0 .* 24 (7. 07 ' 0. ' + (7. 29-:7.-* 7.3 (7. 09- /6.* & .-.).*.-(3: (7. - +930('3* /2/3) '3 3: (7. - -9 3.) .*(/(.* /3) (-4 3: (' 7) . (7.1*.6;.* /1 '3: *.-+* (7.4 & .-.'6 '+(64 -.1 3).) 24 (7. 1 , .- /6 6.: *6/('- ' + (7. *(/ 3 & 7 07 (7.4 & .-. /((/07 3: (' (7. - *, 6.3)) '- : 3 N '92(6.** (7. .*(1/(. ' + * '0 /6 -/38 * -.6/(;. /3)) ., .3) * :-./(64 '3 /** '0 /('3 * 1/: 3/('3 /3) (7. .5(.3(' + / 1 /3< * 7'- 0'3 (' '3.' (1. (7. 1.12.- ' + (7. 09- / 3 / +6'9- *7 3: 1 9 3 0 , /6 (4 1 /4 7/;. + '93) 7 * /12 ('3

' " * U G _A , LL? E @P ?' J?ED ?T C L?NND@) T MD ND LM)@ @ DC @P @'F)@E KDL) ND E?QKFT F) KFD ') 0 , 0) @E) C .- ,

#&0! %, G

$ (* U G GW RQ?@) N ' Q) C EDC?F) ??P@?) QC %M C C ' F) #' ? ?@C) @ @D E) DE WAB

&0! %, : G RQ? QN L?D QN D? D) OODFF)) @ RQ) C N @? DN D@) QN

$ (* C G B C) ' LQ ?QC L?NND@) T ?@ MDCD @D OM) CDC ?' @E @ (* U W< A M) LN) FDC @? ? MD M PMDC ? ED L?QFE " D Q@ CMDE KT :: - 1, , - . - D F?#Y ?) #M O F?) EDE # M FD) E %MDCD OQ@ CMND@ C #D D ? K EED@ KT %MD?E?C QC U G H[

/(+.)'24'6'0/6')*(30('3*'/3)'(7'9:7('7.'7/)'/(((/3.)'/3'.3;/26.',6/0.'&7.3'7.'-'*.'('2.'+6/1.3''+'7*'3/(;.'('&3$'-',-';).)':/1.*'+'-'7*'+.66'&0(O.3*'/*'/.).'.'-')991;-'E9('(7.':-'&('7''+'(7.'1,.-/6').*,'('*1'*30.''06.(/3'/6(.-.)'(7.'&7'6.'07/-/0(.-''+'1930,/6'6+.'('&/*'/';.-4')++.-.3('(63:'('2.'/').09-''3'(7.'*.0'3)'0.3(9-4'/3)'3'(7.'+'9-(7''-'(7.'++(7'-'1''3*(/3(3.'('''3'-9*'(7..1,+.-'-*'&.-.';/3644*(-9::63:'('*(',''/'1';.1.3('&707'7/)'2.:93'6'3:'2.+'-.''3*(/3(3.'/3)'&707'(7-./(.3.)'(7.'09-/6'2')4'&(7'9((.-').,6.('3'7.'Q'+6:7('+'(7.'09-/6.*'R'&/*'C9(.'/*'1.3/03:'/')/3:.-''+'(7.'6/(.-'1,-.'/*'(7.'3-'/)*'+'(7.'2/-2/-/3*'7.'09-/6.*'+6.)'3'/66')-.0('3*'/3)'*'9:7('/'-.+9:.'+-'1'(7.-',.-6*'/3)'-93'9*''26:/('3*'3'.;.-4'0/663:''1.''+'(7.'1'-.'&./6(74'/3)'/12('9*'1/3/:.)'('':.('(7.1*.6;.*'.3-'66.)''3'(7.'6*(*'+'(7.'.3/(.'24')',6'1/*I.0.J*9--.,((9*64'-'0'--9,(64'2(/3.)N'912.-*',-'09-.)'/)1**'3'('*'1.''+0.'3'(7.';/*('/6/(3.'*.-;0.$'(7.-*'.36*(.)'3'(7./-14N'-'('8''64'-).-*'/34'+'(7.'79126.-*'-('&.-.'&663:'('.507/3:.'(7.-',*('3'+'-'(7.',-/0(0/6*.-;(9).'ÞB0'-,'-/('3*N*907'/*(7.'0'-3 1,'-(.-*'-'(7./-1'9-.-*'/34'1'-.'3'*7..-').*,/-'('8'-.+9:.'3'*'1.':-./('.*(/(.'3'/').,.3).30.'/61'*('/1'93(3:'('*.-+)'1$/3)'*/38'.;.3'('(7.').:-/)/>('3'+'1/--/:.'&(7'/'&'1/3'+'(7.'*.-;6.'06/**

7.'1'(;.*&707',-'1,(.)'1.3'(c'+'-*/8.'(7.-'1930>,/6(4'&.-.';.-4';/-'9*'/3)'93)'92(.)64'/12('3'('-*.'3'(7.'&'-6)'&/*'3.'+-.C9.3('0/9*.''+'(7.').*.-('3'6(7'9:7'(7.',''*('3''+''').09-''R'*').*0-2.)'24'(7.'.1,.-'-*'/*'3.''+'Q')':3(4'R'/3)'Q'*,6.3)'9-R'('&/*';/*(643'+.-''-'('(7/('+'(7.'*.3/('-/6'06/**'7.')++.-.30.'2.(&..3'(7.'(&''-).-*'&/*'1907'&).-'(7/3'(7/('2.(&..3'/'1.12.-'+'/-6/1.3('/3)'/'1.12.-'+'/',-';30/6'('&30'930 6'3''9-')/4*'7.'*.3/('-/6'06/**'7/)'3'('3643'(7.',-.*(:.''+'&./6(7F'(7.':-./(.-'+/16.*'7/)'/6*''/',-/0(0/6'1'3','64''+'(7.'7:7.*(

G('*''C''G'__
('''G'GHI
$1'U''G'GH['GHW'@DN@DN'?K@?UQN'Q)D')E'@L?@PQ)N'CK'?Q@)N'ED@LDY'C'))))D'LFLC'D?ELFF'C'LF)CCN)QC'FF)P@QE?'Q)?'ODN)
'1'U''AA'LQN'8DLQ?@DC

)E'ED C)C'NF)C'L?@QP)@'?'GG'WG'WH'GG'GW'G''L',@?FE'C'0!'
,0'O'_
\'('*'U'G'<[')@E'&)'?MD C
$1'U'G'G I'b@)LQF)"'BA'bL?FFDPQN')K?QN"
'&0!'%,:'

,-.+.0(9-.* /3)' '++0.* '+*(/(.$ 7.4' &.-.' '+(.3'(7.').*0.3)> /3(*' '+ 1.3' &7'' 7/)'7.6)'*907' '++0.* +-'1'(1.' 11.1'- /6' 7.4' 2.0/1.' /61'*(' /* /' 1/((.-' '+'0'9-*.':';.-3'-* -.('- /3' ,-.+.0(* /3)'0'3*96*' 7.-'*'3* &.-.' (-/3.)'('' +'66'&'(7.1' 3' (7.' */1.'Q0/-..-' '+' 7'3'9-*R' /3)' 7/)' '+(.3' 0'1,6.(.)' (7.-'(.-1' '+',926 0' 6+.' /3)':';.-3.)',-'; 30.* 6/-:.-'(7/3' 1'*(' 1').1' 9-',./3' 8 3:)'1*'/(' /3' /:.' &7.3' /' 1/3' '+' /12('3' 3' '9-') /4* *' '3664':.((3:' 7 *' +''(' '3'(7.' 6/))).-'M 7.' 4./-* '+' 6/(.-' 6+.' &.-.',/**.)' 3'):3+.)'(-/3C9 66(4' /3)'(7.'.3%'41.3(' '+'(7/(' 096(;/(.)'*'0.(4' *'' *(/(.64' /3)'*''.5069* ;.'29(' *''07/-1 3:'&7 07'7/*'2..3').*0-2.)' 3'/3'(7.-' 07/,(.-' (' *'6((6.' &'3).-'(7/(' (7.' /12('9*'2'9-:.' *' '+'(7.' 09- /6'06/**'*7'96)'7/;.'*(-9::6.)'/(' /34'0'*('24' 3(- :9.''-'24' 2-2.-4'('' -/ *.'7 1*.6+'/3)'7 *' 07 6)-.3' .;.3'('' (7.' '9(*8 -(*' '+'*907'/'-/38'+-'1'(7.'-/(7.-'*'-))'/3)'6 1 (.)'/12('3*/3)' (7.' &./-3:'/35.(.*' '+7 *' '-:3/6',*('3' +'7.'-.1/3.)' 3' ('7 *'7:7.*(' 7',.'0'96)''3664'2.'('' -./07' (7.')991;-/(.' /3)',/**' 3('' (7.' *.6.0(' 06/**' '+' (7.',-30,/6.*N' /+(.-'0'1> ,6.(3:'(7.' &7'6.'-'93)'+')9(.* /3)' 07/-:.* 30912.3(' '3' 7 *' '-).-' E9(' 2.+'-.' /(((/ 3 3:'(7/(' 3'(' ;.-4'6'+(4'.1 3.30.' 7.' 1 :7(' +3)'7 *' ,/(-1'34'./(.3' /&/4'24' (7.' 06/ 1*' '+'7 *' '&3'0'1193(4'/3)'(7.' 3.5'-/26.'/3)' 3*/(/26.').1/3)*' '+' (7.' 1,.-/6' (-./*9-4' 7.' 391.-'9*' 0'3*((9('3*').6 3:' & (7'(7.'1 :-/('3' '+'09- /6.*' 3('' (7.'*.3/('- /6'06/**'/-.'(7.' 06./-.*(',-''+'/(' '30.' '+'(7.'+'-0.' '+'(7.'(.3).304'/3)' '+'(7.') ++096(4' '+'-.*(-/ 3 3:'(' 3'(7.'./-6.-',/-(' '+'(7.'+'9-(7' 0.3(9-4'(7.' .1,.-'-*' /,,./-'3'(' (' 7/;.',,'*.)' 3*9,.-/26.' '2*(/06.*' (' *907' /12('3',-';).)' (7.' +3/30.*' '+'(7.' 193> 0,/6(4'0'30.-3.)'))' 3'(' *9++.-M E9(' 3' (7.' 2.: 33 3:' '+

G E?@')5' 'I

' DU QC'5D '5?KQC'K?N' .'WW' KDL)ND'O ?L?@CQF'?',L)' @'W<B')@E' 5D?)@'O D DL'?')FT',L)')@E' FFT LQN'@'WBH'b?D'W "' ' DDLS C'2' L 3' TNN)LM@C'K? @',.'W ['MDFE'M C' C'? LD' @'WB<'b DDLS'UF "' OFTK QC')@E'5?K@QC' #D D' L?@CQFC' #MD@' ND D' T?Q MC' '& D?@')5'GW[' W' F)QE' @' ?F C' " 21 ' '/01'BW' E?@ QC' #)C' O D DL'?' /?ND' @' M C' M T' D PM M' TD) ' b1?NNCD@' 5)D ' @' '! 0 ' UF "

$%MD' O @L O)FDC' b)FC?' ?O N) DC' TN')5' = ' G' CQNN' NQ@ L OQN' O ?LD DC' ,QC?@' 0, ' [A"' #D D ' @' C?ND' OF)LDC' D@' @' @QNKD ' DFDL DE' KT' MD' LQ)') D')' DPQF)')CLD@' M ?QPM')FF' MD' EQ DC')@E' M?@?Q C' ? ' MD ' ? ED ')@E' K?Q@E' ?' DN) @' @' MD' OD ? N)@LD' ?' MD ' Q@L ?@C' ?' DD@' TD) C' (' * ' U ' G' _B' G_G' GHI' %MDT' #D D' DUDNO' ?N' L QDF' OQ@ CMND@ C' U ' G' BG' ' 9' ED' ?QF)@PDC' 8 ! ' " ' O' W_

' (' * ' U ' G' < ' ,' F)#' ?')FD@C' bU ' G' BI"')FF?#C' LQ)FDC #M?' M) D' KDL?ND' CD@) ? C' O DN)X Q DFT' b)@ D' DUOFD)' NQ@D)" ?' D) @' MD' M PMD' O?C ?@' O ? EDE' MDT' OD ? N' ?Q)F EQ DC

(6 .' + +(7' 0.3(9-4'(7.' -/,)').,6.('3' '+' (7.' 09- /.' /3)' (7.' 0' 1 ,6/ 3(*' & 7 07' -./07.)' 7 1' 0/9*.)'(7.' 1 , .-'-'('' /**9 1 .' /' *(.-3.-'('3.' 7.' 09- /6.*' & .-.' 2693(64' & /-3.)' 3'('('' /*, -.'('' *.3/('- /6' -/38 $' 7.' :-/3('' '+' /5 11' 1))' '+(.3' '2> (/ 3.)' /*' & .' 7/;.' *..3' 24' 93).-7/3)' 1 ./3*' & /*' , .-. 1 ,('- 64' , -'7 2 (.)F /3)' 3'' '3.' 2'93)' ('' 1 1 0 ,/6' +930('3*' & /*' 7.30.+'-(7' ('' 2.'-/ *.)' ('' *.3/('- /6'-/38' 93(6' 7.' 7/)' ,/**.)' (7-'E:7' /66' (7.' :-/).*' '+' 7 *' '- : 3/6' '-).-' /3)' , .-+'-1 .)' /66' (7.')9(.*' & 7 07' & .-.' 6/)' 9 ,'3' (' '3'- 9*' 3' /' -.*0- ,(' /))-.**.)' (''(7.' ,-.+.0(' '+' (7.' =/96*' 3' VA# $' ,-'7 2 (*' (7.' ,- 30 ,/6.*' & 7'' +'-1.)' (7.' 7 :7.*(' O6/**' '+' (7.' 09- /6' 2')4' +-'1' 2. 3:' -.6./*.)' +-'1' (7. -' +930('3*' 93(6' (7.4' 7/)' 0'1> ,6.(.)' /' (.-1' '+' + +(..3' 4./-*' 3' (7. -' :-/).' 2'9(' (7.' */1.' (1.' /66' , .-*'3*' '+' 09- /6').*0.3(' 3' (7.' -/38*' '+' (7.' /-14' '-' (7.' /6/(3.' *.-; 0.N' & .-.' '-).-.)' 2/08' ('' (7. -' 3/(;.' 0 (.*' /3)' /34' '3.' '+' (7 *' O6/**' *' +'-2)).3' 7.30.+'-(7' (''.;/).' 7 *' 7.-.) (/-4' '26 :/('3*' 24' .3(.-3:'. (7.-' (7.' 1 6 (/-4' '-' (7.' 0 ; 6' 2-/307' '+' (7.' :';.-31.3(' *.-; 0.' (' *' & .66' (''-.1 3)' '9-*.6;.*' (7/(' /(' (7.' (1.' & 7.3' (7.*.' 6/&*' & .-.' ,-'196:/(.)' /' 0'3*).-/26.' ,/-(' '+' =/96' 7/)' 2..3' ';.--93' 24' (7.' =.-1/3*' /3)' & .' 1/4' ;.-4' & .66' 2.6 .;.' (7/(' (7.')9(.*' /3)' TT9-).3?' '+' (7.' :';.-3 3:' O6/**' '+' (7.' 193 0> ,/6 (.*' 3' (7'*.' -.: '3*' & .-.' 2.0'1 3:' 1'-.' 7/-/** 3:' /3)' '3.-'9*' '' 2.' *.3(' 2/08' (''(7.' ,-*'3 7'9*.' '+' 09- /6' *6/;.-4' +-'1' *'1.' ,-'1 * 3:' 0/-..-' /(' '1.' /3)' (''*..' .;.-4' ',.3 3:' O6'*.)' (''7 1*.6+' /3)' (''7 *' *'3*' +'-' (7.' +9(9-.' 1/4' & .66' 7/;.')-;.3' 1/34' /' 1/3' '+' (7.')''1.)' '-).-' (''). *,/-

3' (-9(7' (7.' 09- /6*' ,'* ('3' 7/)' 2.0'1.' '3.' '+' (7'*.' +'-1*' '+' 7.-.) (/-4' *.-; (9).' 24' & 7 07' (7.' *'0 .(4' '+' (7.' '& .-' 1 , -.' & /*' -.)90.)' /61'*(' (''/*4*(.1' '+' 0/*(.*' 3> (-')90.)' 3(''' (7.$ 0'-,'-/('3' /(' .:7(..3' 4./-*' '+' /:.' 7.' 0'96)' 3'(' 24' /34' .++'-(' 6.:/664');.*(' 7 1*.6+' '+' 7 *' 3

' ' O' U ' G' GHW' @DN ?DN' ?K' @?U QN' Q)D')E' @L?@P Q)N' C K' ? Q@)N' ED @LDOC')CO) D' DF L C' L?E L FF C'LF) CC N) QC' 1)P@ QED' Q)D' OD N) ' ? ' G' GH[' FF' N? D' ?@DM)@' C' -? DFF)' H ? ' %MD?E?C QC' FDPD')RQD' OD OD Q?')F Q)' EDLD ' @ NQC'@QFFQN'O?C K)?'0Q)FDN'C K ND' E P@) C'CD@) ?)D' @ QF)C'QCQ O) D

' 1' U ' G' G_G' 8) E)@QC' ?' #M?N' ' C')EE DCCDE' #)C' 5 D ?)@' O D DL' ')P) @' @' GH

' 1' U ' G' G _' %M C' F)#' @X LFQEDC')FF' LQ)FDC' #M?' M) V D@ D DE' MD') NT' MD' 5)F) @D' L F' CD LD' MD' KQ D)Q' ?' MD' 5 D ?)@' O D DL ')@E')FF ? MD' C N F)' ?LLQO) ?@C' ' L ' 4' WH' ['

7.-(.)' ,'*('3'93(6'6.'7/)':'3.'(7.'&7'6.'-'93)''+'++0/6'
)9(4' 7.'6/&')')3'(' /2*'69(.64',-'72(' /'09-/6'+-'1'
-*3:'('/3'(7.'-':-/).'3'*'0.(4'29('('1/).'7*',-':-.**'*''
*6'&'/3)') ++096(' (7/(' .*0/,.'24'6.:/6'1./3*'&/*',''**26.'
('';.-4'+.&' ;.3'&7.3'/'1/3'7/)'*9-1'93(.)'/66'2/--.-*'
/3)'2.0'1.'/3'1,.-/6'+930('3/-4'-'/'*.3/('-$7*'076).-.3'
2'-3'2.+'-.'7*'.6.;/('3'&.-.'-.(/3.)'3'(7.-'-:3/6'
-/38'/3)'7*',-',.-(4'-.1/3.)'6/26.'+'-'(7.'1930,/6'
07/-:.*''+'7*'06/**' +'/'1/3'/((.1,(.)'('7/*(.3'7*'-*.'
'-'7*').6;.-/30.'24''';.-6./,3:'*'1.''+'(7.'*(/:.*''+')9(4'
7.'&/*'*.3('2/08'('(7.'-:3/6'*(/-(3:,'3('7.'1'*('
,6.3))'):3(.'0'3+.--.)'24'(7.'1,.-'-'7 1*.6+'&707'
&'96)'3'('(7.-'0/*.*'-/*.'/'1/3'('(7.'.3/(.'(;'96)'3'('
/;/6'+'-'(7'*.'''+'09-/6''-:3F(7.4'/-.'('-.1/3'3'(7.'
2'*'1''+'(7.-'3/(;.',6/0.'Q'/*'('&.-.')./0/(.)'&(7'*/0-.)'
+66.(*'/3)':9/-)3:'(7.'.(.-3/6'14*(.-4'&707'(7.4'0/33'('
/2/3)'3'&(7'9(' 1,.(4R'' 7.'09-/6<*',.-*'3/6'+-..)'1'
&/*'09-(/6.)''3'.;.-4'*).' +'7.'(-/;.66.)'/2-'/)'(7/('&/*'
/3'3%9-4'('7*0(4F/3)' +'7.'/2*.3(.)'71*.6+'+'-'+;.'
4./-*'7*',-',.-(4'&/*'03+*0/(.)N' ;.3'+'-'/'61(.)'(1.'
/3)'+'-'/',926 0'2%.0('/*'+'-'.5/1,6.'('',-.*.3('71*.6+'
2.+'-.'(7.'1,.-'-'7.'096)'3'(':'+-'1'7'1.'&(7'9('(7.'
+'-1/6',.33**'3''+'(7.':';.-3'-''+'(7.',-';30.$' .'&/*'
+'-2)).3'/2*'69(.64'('-.*).'3'(7.'093(-4N' (' */61'*('
3..)6.**'('*/4'(7/('7.'7/)'3''',''&.-'('')*,'*.''+'7*',->
,.-(4'/*'7.',6./*.)'*30.'(7.'(/(.'-.:/-).)'7*',-',.-(4'/*
*.09-(4'+'-'(7.'+966')*07/-:.''+'/''7*'+3/30/6'126:/('3*'
.'096)'3'('*.66'7*'.*(/(.'&(7'9('(7.',.-1**'3''+'(7.'
:';.-3'-''+'(7.',-';30.N' .'096)'3'('.3(.-'3('/34'03>
(-/0('-'29*3.**'-.6/('3'&707'1:7('030.;/264'&./8.3'(7.'
7'6)''+'(7.'(/(.'9,'37*','**.**'3*' .'&/*'+'-2)).3'+'-'
.5/1,6.'('/00.,'('(7.'/:.304''+c/3'.*(/(.$''-'('-.3(',9260

G''0'U''G'BI
'1'U''G'GAA'N)@D)@'@'D@Q'
O))D'D DF@''EL)'@QFC'NTC'
D QN'OD D@@D'LQC?E)@''C''FF C'
O)LQFQN'@ED'ECLDED D
'1'U''G'GW'F''@D'EQ'@'
)QEDN'L)QN'NQ@?ODC'D)'
PD@ 'DL
'' 'U''G'I
\'1'U''GH'G')@E'A' %MDCD'
)C')D')EE DCCDE'?' D'.PT>)Q
O D DL')@E' MDT'N)T' DD'?' MD'
N?@SC')@E'MD N C'L'U''G'BW'
#M LM' D)C'MDN'#M' P D)'L?@X
DNO
$1'U''W'G')@E'A''&0!' ,:'
G'@Q@RQ)N'C@D'Q D O?C ?@D'EDL D'
Q)FDC')F D@D@
'' (''*''U''G'IA' %MD'LQ)F' C'
K)@E'E'# M'E CP)LD'?'D@P)P@P'@'
)'CD FD'?LLQO) ?@')@E' D@ED C'M NX
CDF'F)KFD'?'K)@CMND@

6/3)*' '-' ('' +/-1' (7.' (/5.*$ 7.'09- /6' &7''7/)'3''07 6)-.3' 0'96)') *,'*.' '+' '364' '3.+'9-(7' '+' 7 *' .*(/(.' 24' & 66' (7.' -.1/3).-' 2. 3:' (/8.3' 24' (7.' 1930,/6' (-./*9-4$' 7.' 1930,/6 (4' 2.0/1.' (7.' *'6.' 7. -' '+' /3' 3(.*(/(.'09- /6N' +' 7 *' 3/(9-/6' 7. -*' &.-.' 3'(' 0(O.3*' '+' (7.' ,6/0.$' '-' +' 7 *')/9:7(.-' '-' &)'&' 1/-- .)' /' *(-/3:.-' (7.4' 7/)' ('' -.* :3' '3.' +'9-(7' '+' (7.',-',.-(4' ('' (7.'09- /' .' 0'96)'3'(' (/8.' '64' -).-*' & (7'9(' 6./; 3:' 7 *' 09- /6' ,-',.-(4' 3' (7.' 7/3)*' '+' /' ,-',.-' *92*((9(.N' '-' /2*'69(.64' /2/3)'3 3:' (' ('' (7.' *.-; 0.' '+' (7.' 0' 1 193 (4' .' 7/;.' 3'(' 24' /34' 1./3*' .57/9*(.)' (7.' 1.6/307'64' 6 *(' '+' (7.')*/2 6(.*' /3)' 7/-)*7 ,*' &7 07' &.-.' 7./,.)' 9,'3' (7 *' &-.(07.)' 06/**' 29(' .3'9:7' 7/*' 2..3' */)' ('' *7'&' (7.' 0/9*.*' '+' (*').,6.('3' 3)..)' (7.' .1,.-'-*' (7.1> *.6;.*' &7 6.' (7.4' '00/*'3/664' /,,64' ('' (' 7'3'-+0' (.-1*' &7 07' ('' 9*' 3'&' *'93)' 6 8.' :-1' 1'08.-4' 7/)' -./664' 3'' 669*'3*' /*' ('' (*' 7',.6.**' 0'3)('3' (' *' '+(.3').*0-2.)' 3' ,7-/*.*' 7"."/' " " /8' &7 07' *..1' ('' -.)90.' (' ('' /'*,.0.*' '+' *6/;.-4' 7.' 09- /6' 3'3.' 6/&' *').3.)' (7.' /*4691' '+' (7.' 079-07' /6'3:' & (7' 3*'6;.3(').2('-*' /3)' +9:(;.' *6/;.*N' 7.3' 7.' *' -.0/66.)' +-'1' *'1.' -.+9:.'('' &7 07' 7.' 7/*' .*0/,.)' 7 *' &'-*(' ,93 *71.3(' +'-')*'2.).30.' (''(7.' 6/&' *' (''2.' -.,6/0.)' 3' 7 *' '-:3/6' -/38' '-' 0'96)' (7.' 6.:*6/('-' /(' '3.' (1.' +3)' /' &'-*.' +/(.' +'-' 0.-(/3' 1/6.+/0('-*' (7/3' (''2.' -.6.:/(.)' (''(7.' 09- /$' 7.' 09- /' 7/)' 3' (-9(7' 2.0'1.' /3' -9 212)' /3)' /66' (7.' 3:.39 (4' '+' 6/&4.-*' /66' (7.' .3.-:4' '+' 1,.- /6' '++0.-*' &.-.' '009,.)' +'-' :.3.-/('3*' 3' (-43:' ('' ,-.;.3(' (7.' .*0/,.' '+' (7.' *6/;.*' '+' (7.' 09- /N' E9(' (7.' 0-9.6(4' '+' (7.-' ,'*('3' 1/).' (7.1' -.086.**' /34' +6.)' (''(7.' *'6(9).' /3)' 7/-)' +/-.' '+' (7.' 7.-1(/:.N' (7.-*' ,-.

' "' * ' U ' G' I '' =' W' A' LQ) F KQC' ?NQ KQC' L?@EQ?D@E? QN' /L' OQKF L)D' O)DE ? QN')L' C)F QQ@' @F ' KD) Q')LQF)C'

(' DD' @? D' W @' 6)FF?@'8) . ,!' ' GHB

' ' 0' ' A' G' \ 8D' 7?@ C' 8D' DQ ?@QN'^

' ' 6)FF?@' ' GHB' @'

<' ' * ' U ' G' <I' RQ' O) DC' DLLFD' C)D' DF P ')Q' @' O ?O @RQN@' K@@)' O ?O)' L?@ D D@E?' DQN' O ?' CD')L)F Q)FDN')Q')LQF) KQC' Q)D' ?DE)' RQ) N' DF RQ ' bL ' GG' IG')@E' IH"

' U' <' H

' 1' U ' G' BB')@E' G[' %MDCD' F)#C' ?')F?Q @)@' ')@E' % D?E?C C' O ?M K ' MD' ??@C PQND@' ?' MD' LQ)')C')' OQ@ CMND@' KQ ' MD' O ?M K ?@' O ? DC' MD' DU C D@LD' ?' MD' O)L LD

$ 1' U ' <' W' P? D' D ' C?FFD)' Y@E L)@ QN')E' O C @)N' C? DN' DFQ ' N)@Q' QYDL)' D ?L?@ Q

$ 1' U ' G' BW' R@ E)N' P@))D' CDL)? DC' EDCD C' L) QN' NQ@D ' KQC' L)O)Q' C?F QE @DN')L' CDL D)' D ' CODL D' DF P ?@ C' LQN' L?D K@C' 1?@)']?@ ?@' L?@P DP)@ Q ' %F D`F)#' ND@X ?@C' .P O')@E' MD' .)C')C' MD' DP ?@C' ?' #M LM' ')OOF DC' b(' J?ED' ?T C' @? D' ' O' W "

+.--.)' (7.' *.-; (9).' '+' '3.' '+' (7.' 6'&.-' 0'-,'-/('3*' '+' /-(*/3*'('' (7.' *.-; 0.' '+' (7.' 0'1 1 93.F'$ (7.4' 7)' (7.1*.6;.*' .;.3' /1'3:' 1 3.-*' /3)' 6 1. 29-3.-*' (66' 1'-.' ,6/0.)' (7.1*.6;.*' 93).-' (7.' ,-'(.0('3' '+' /' :-./(' ,-',- .('-$ /3)' &.-.' '364'('' :6/)' ('' 29-4' (7.1*.6;.*' /1'3:' (7.' 0-'&)' '+' 7 *' 0'((.-*' /3)' *.-+*' &7.-.' (7. -' 07 6)-.3' 24' *'1.' *6/;.' 1'(7.-'&'96)' /(' 6./*(' 2.').6 ;.-.)' 24' (7.' :3'1 34' '+' (7. -' 2 -(7' +-'1' (7. -' +/(7.-<*' 7.-.) (/-4' 09-*. N

7 6.' (7.' 3912.-*' '+' (7.' 09- /6' 06/**' &.-.' (79*' *(./) 64' *7-38 3:' 3' *, (.' '+' (7.' 0-9.6').(.-1 3/('3' '+' (7.' 6.: *6/('-' (7.' 29-).3*' '3' (7'*.' &7'' -.1/3.)' &.-.' /*' *(./) 64' 30-./*> 3:' 3' *.;.-(4' 7.' 09- /6.*' &.-.' -.*,'3* 26.' +'-' (7.' 0'66.0> ('3' '+' (/5.*' '3' 6/3).)' ,-',.-(4' /3)' +' (7.' /**.**1.3(*' 3' (7. -') *(-0(' &.-.' 3'(' +9664' ,/)' (7.4' 7/)' (' 1/8.' :'')' (7.').+0 (' (' (7.' (-./*9-4' '&' (7.-.' *' /1,6.' .;).30.' (7/(' (7.' (/52./-3:' /0-./:.' 3' (7.' .3)' '+' (7.' +'9-(7' 0.3(9-4' /3)' (7.' 2.: 33 3:' '+' (7.' + +(7' &/*'-/,)64' 0'3(-/0(3:' 3' /1,/3 /' /6'3.' '30.' (7.' :/-).3' '+' (/64' 1'-.' (7/3' XAA AAA' %9:.-/' 7/)' :'3.' '9(' '+' 096(;/('3 M' 411/079*' &7'' &/*' /' 6/-:.' 6/3)'&3.-' 0'1,6/ 3*' (7/(' /:-096(9-.' &/*' 2.0'1 3:' /' ;.-4' .5,.3* ;.' 6959-4 N' 7.' 6/(.-'.) 0(*' +-/3864' /)1 (' (7/(' ';.-' 6/-:.' /-./*' (7.' -.*'9-0.*' '+' (7.' 6/3).)' (/5,/4.-' &.-.' .5> 7/9*(.)' 3)' (7.' /)1 ** '3' *' 3'(' 0'3+ 3.)' (''&'-)*' '-' 3' VA" N' 3' V!?' /3)' /:/ 3' 3' V!"' -.6 .+' +-'1' (7.' 6/3) (/5' &/*' :-/3(.)' (''6/-:.') *(-0(*' 3' (/64' 3' '3.' 0/*.' (''/*' 1/34' /*' *.;.3' ,-'; 30.*' ' * 1 6/-' 3)96:.30.' &/*' *7'&3' ('' (7.' 6/3)7'6).-*' '+' +-0/' 3' V!A $' 3' V[?' /3)' 3' 0'3*.C9.30.

(' (' * 'U 'G' BA' G I' GBA
' 1' U ' G' _B' L ' G B' NQF ?C'
)@ N)E D NQC' Q' EDK)' O)DC)'
?@D' O))N' ED)QE) D@ ' CQK' QNK)'
5? D@ QN' F)) D' ' ' ' ON@DC' P Q'
RQ?C' DPQ@' DUODFF)@ ' @D' EDND@)'
-?C)')K' L?@ ?N)L)' E CC NQF)@'
QN' @' N)Y? DN' @E P@) ?@DN' DUQ '
P) ' GG' G<<' GBA' G_I' GHI' ?LLQF) ?'
ED Q' F)NN C' QF D KQC
\' &0!' %,:' G ,'
' (' * 'U 'AH' A' %MD' F)@EC' M)E'
KDD@' C' @CODL DE' KT' OD)DR@) ? DC'
)@E')@L D@' E?LQND@ C' L?@CQF DE' b '
J?ED ?T C'@? D"' /D D DE' ?' @' TN'
C5' ' B' L' i' GA' QC)' COD) '
ED' OD DP @) ?@D' C?F)? @N' LQN' ?NX
@ QN' F?L? QN' N)DC)')L DC' @QFF)C
)LP ?')@ N?' O)DC D' @EQ)C
a' TN' C5' '<' @)NRQD' M D' @CQC' @'
@?C)N' D@ ')D) DN' Q' QC' RQ?E'
C?FDK) ')FD D' @Q@L')F) Q
' O' U 'AH' ' _' GA' %MD' DF D '
@' [H' #)C' P D@' NNDE) DFT') D'
F LM? C' ED) M')@E' #)C' EDN)@EDE'
KT' MD' ED)C) ?@C' ?' MD') N DC' ?'
/)E)P)DCQC')@E' ,F) L' %MD' CD@)X
?)F' ?FF C' PFDK)F C' #)C' @LFQEDE' @'
MD' DN CC ?@
' 1' U3' AH' B' GW')@E' &0!' 7, '
' , ' 3 ' ' %MD' DN CC ?@' @' G['
\?K' , L)D' ED ? ?@DN^' D D C' ?'
MD' DC C)@LD' ?', L)' Q@ED ' &D)'
L4)@' O' MD') DNO C' ?',) QC' F D'
. NOD ?' CD' @O' KT' , F) L' ?' f?C'
' _

(7.' 4'93:.-' 7.')'* 9* (7.' ,-','-('3' &/*' !"' (' ! ' 7/(' *' 9' 6.**' (7/3' /' C9/-(.-' '+' /' 0.3(9-4' (7.' ;/69.' '+' :'6)' 7/)' - *.3' 24' 1'-.' (7/3' /'+ +(7' 7 *' /,,-.0 /('3' 3;'6;.)' /' 0'--.*,'3)> 3:' 30-./*.' '+' (/5.*' ,/4/26.' 3' :'6)' 3)' &7 6.' (7.').1/3)*' '+' (7.' .507.C9.-' &.-.' 30-./* 3:' (7.' 6/3)'&3.-' &/*' ,-'2/264' :.((3:' 6.**' /3)' 6.**' +'-' 7 *' /:- 096(9-/6' ,-')90(*' 3)' 7.-.' &.' ('907' &7/(' &/*' (7.' 07 .+' .0'3'1 0'0/9*.' '+' (7.' -9 3' '+' (7.' 09- /6.*' .' &/*' /*' &.' 7/;.' *..3' 6 /26.' ,.-*'3/664' +'-' /34').+0(' 3' (7.' (/5.*' ,/4/26.' 24' 7 *') *(-0(' 7.' -.(9-3*' &.-.' /61'*(' 0.-(/ 364') 1 3 *7 3:' (7.' :';.-31.3(' &/*' 3> .5'-/26.' 7.' 1/**' '+' (7.' 09- /6.*' &.-.' (7.1*.6;.*' *1/66' 6/3)7'6).-*' &7'' &.-.' 93/26.' (' 0'1,.(.' & (7' (7.' '&3.-*' '+' :-./(' .*(/(.*' 096(;/(.)' 24' (7.' 6/2'9-' '+' *6/;.*' /3)' 0'6'3 M' 7.' 6/3)' &/*' /*' /'-96.' (7.-' '364' *'9-0.' '+' 30'1.' *' (7.' 6/3)' 2.0/1.' 6.**' ,-')90(;.' &7 6.' (7.' 29-).3*' '+' (7.-' ,'*> ('3' 2.0/1.' 7./;.-' (7.' &./8.-' 09- /6*' 19*(' . (7.-' +64' +-'1' 7 *' 1 3 0 ,/6 (4' /*' *'' 1/34' /0(9/664'))' '-' .6*.' 7.' 19*(' '2(/ 3' (.1,'-/-4' -.6 .+' '3' &7/(.;.-' (.-1*' +-'1' (7.' '364' 0/, (/6 *(' (' &7'1' 7.' 0'96)' /,,64' (7.' 3. :72,9-3:' 6/-:.' ,-',- .('-' 7 *' /2*'-,('3' '+' (7.' *1/66.-' 24' (7.' :-./(.-' 6/3)'&3.-*' /3)' (7.' :-'& 3:',&.-' '+' (7.' 6/((.-' *' 24' +/-' (7.' 1'*(' 3(.-.*(3:' /3)' 1,'-(/3(' +./(9-.' 3' (7.' (-/3*('3' '+' *'0.(4' +-'1' (7.').*,'(*1' '+' (7.' '&.-' 1,-.' (' (7.' ' '+' (7.' +.9)/6' 6'-)*

7.' *.3/('-/6' .*(/(.' &/*' /'0'1193 (4' 24' (*.6+' *9,,64 3:' (*' '&3' &/3(*' /3)' +9-3 *7 3:' *9,,6 .*' +'-' (7.' 3. :72'9-3:' 1/-8.(*' '-' +'-' (7.' :';.-31.3(' *.-;0.' /-(' '+' (' &/*' 096(;/(.)') -.0(64' +'-' (7.' 6'-)' 24' *6/;.*F' /3)' (7.' 29 6) 3:' /3)' 0/-,.3(.-' &'-8' (7.' *, 33 3:' /3)' &./;3:' &.-.' /6*'' 0/--.)' '3' 24' *6/;.*' 3'(7.-',/-(' '+' (7.' .*(/(.' &/*' 096(;/(.)' 24' /' 06/**').* :3/(.)' 24' 1/34' 3/1.*' /3)' '009,4 3:') ++.-.3(' :-/).*' '+').,.3).30. N' '1.' '+' (7.1' &.-.' *(-0(64' *.-+*' ' 91-0 -' &7'' '3' (7.' */6.' '+' /3' .*(/(.',/**.)' ('' (7.' 3.&' '&3.-' '1.' &.-.' 3' (7.' ,'*('3' '+' 1.(/4.-*

G ' 0' ' 'A_
' ', @?FE' 0! . ,']
, 0 'O' GBG
\' ?'* ' U' G[' H' ' MD' 5)) F?@'
?' J?ED ?T' ?' ! ' I' \ 8D' 94 E C'
?F?@ C^' 6)FF?@' 8) ,! ' O'
A<A' 8D' ?QF)@PDC' 8 ! ' ? '
OO' IW' GWI' %?' E C?QCW MD' DUDE
RQDC ?@' ?' MD' ? P @')@E' @) Q D' ?'
MD' C) QC' ?' MD' L?F?@' C' @?' O) ' ?'
MD' OQ O?CD' ?' M C' LM)O D ' 9? ')'
D D#' ?'C?ND' ?' MD' E D D@' MD? DC'
CDD' 6)FF?@' 8) . ,! ' LM)O' ?@'
\'%)) F' ED') NO)P@D ' ', @?FE'
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;.3/6(4 '+(/5:/(7.-.-*7/;.)-;.3 1/34('C9(('(7.-3/(;.0(.*/3) Q+'-:.(+96 '+(7.*,6.3)'9-'+(7.-2-(7R (*(79*(7.,.-6'9*-/38'+(7.09-/**).*0-2.)T('(,6/0.(7.1*.6;.*93).-(7.,-'(.0('3'+**'1.,'&.-+96,/(-'3.3..)3'(2.6.;.(/*6/39*)'.$(7/((7.-07',-',-.('-).62.-/(.64*.((7 1*.6+('-.)90.7 *O6.3(*('*.-+)'1F29((**'364('',-'2/26.(7/(*907',-'($:$*&'96)3.;(/264* 38('(7.,'*('3'+0'6'3

(&/*'7'&.;.-(7-'9:7)-.0(3).2(.)3.**('(7.:-./(,-',-.('-*(7/((7.*1/66.-:.3.-/664'6'*((7.-3).,.3).30.*&.7/;.*..3(7.-.&/*6((6.0/,(/6 3(7/(/:.).-;.)+-'1/34''(7.-*'9-0.(7/3'6/3)'+/+/-1.-:'(3('')++>096(.*+-'1'2/)'*./*'3*''-93).-(7.,-.**9-.'+(/5/('3'/3)'1930,/6 29-).3*7 *-./).*(-.*'9-0.&/*('2'--'&'+-'1*'1.-07'3.:72'9-$ 7.-.'&.-.'1/34'&/4*'24'&707'(7.:-./(1/3'0'96)'6/4'7 *'7/3)*'3'7 *').2('-<*'6/3)'/3)'(7.').'6./;.*3'')'92((7/((7.*1'*('93269*73:','-.**'3'/3)'070/3.-4'&.-.''+(.3'.1,6'4.)'('),*,'**.**'7 1M 7./009196/('3'+/--./-*'+3(.-.*(6.)'('+'-0.)'*/6.*'-')'3/('3*('.*0/,.'+-'1'/3'3('6.-/26.'29-).3'+'/'*1/66'.*(/(.'&.-.',9('9,'+'-'*/6.'(7.:-./(1/3'7/)'+.&'0'1,.(('-*'+'-'(7.-.'&/*6((6.0/,(/6'*..83:'*907'3;.*(1.3('/3)'(7.:';.-31.3(/0(9/664'*..1.)'(')*0'9-/:.'/1.-07/3(+-'1',9-07/*3:'6/3)'24'7'6)3:'71'6/26.'3'('364'+'-'(7.'6/3)'(/5'29(+'-'(7.'69*(-/6*'0'66/(''+'-'&707'/*'/(-/).-'7.&/*6/26.'2.+'-.'(7.',9-07/*.M 7.(.-1*'+'3.'6/&'+'3'-9*'1/8.'(,-'2/26.'(7/(1..-'(.--'-*1'.5.-0*.)'24':-./(3'26.*'-'++0/6*'&(7'9(/34'6.:/6'-:7(*'&7/(.;.-'+(.3'0'1,.66.)'(7.*1/66'+/-1.-'(',/-($(7'7*'6/3)'24',-.(.3).)'*/6.'-':+(M 7.*.0-.(*/6.'+',-',.-(4'24'09-/6.*+64 3:'+-'1'(7.-'1930,/6(4'&/*'/6*''/':-'&3:',-/0(0.3''*,(.'+'/66'(7.'2*(/O6.*'&707'(7.'6/&'3(.-,'*.)'('',-.;.3('(7.'/6.3/('3'+*907'.*(/(.*'(7.-.'*'O6./-'.;).30.'N

'DD')@'DU)NOFD'@'E')5''A'%MD'@DDET'EDK?''C'O)T@P'@D DC')')'))D'#MLM'# FF'E?QKFD'MD'L)O)F'FD@''@'D@'TD)C''L''M)U''0''AWB'5DXNCC?@'?'CD@)?C'?'FD@E')'B'OD'LD@'C'P D@'@'('*''WW''b'J?ED?T"'('*''WW'H')FF?#DE'CD@)?C'#M?'#D D'N@?C'?'FD@E'N?@DT')'@DDC(('*''G'H'O?MK C'CDL D'C)FDC'KT'QP D'LQ)FDC''D@E?@DC E?@)?@D)')@C)L?@DC'RQ)D'OD'O?'D@)N'DU?)D'CQ@''O)DL O NQC'@F N)''L''I''O)L)'RQ EDN'OD'N'D'N?QN')OQE'?N@DC'C)C'L?@C)'L)CC))'KQC'DCOQD@E)

'1'U''G'_A''L''U''G''1''G'H

$Q'7,'G['@?QN'DC'O?C'))FDN'M?C QN'Q@)N'RQ)')F)'F)K?)'DL

&,5 *6)4)(+"/*6)%448)(8 ''

(7/(+-'1(7.(1.'+6/-0<*3;/*'31/34*/6.*7/)(/8.3 ,6/0.& (7'9(7.+'-1/6(.*,-.*0-2.)&7.3/09-/6*,/-(.) &(77*.*(/(. 7.6/&'+/6.3(3/3 &707).6*& (7*907 0/*.**7'&*/(.3).-3.**/3)0'3*).-/('3+'-(7.)+$096(.*'+/3 1+'-(93/(.06/**;.-4936 8.(7.*,-('+./-6.-6.:*6/('3'3(7.*92%.0((1/3(/3*(7.*;/6)(4'+/66*907*/6.*$&7.3.++.0(.)93).-(7.,-.**9-.'+.5(-.1.3.0.**(4 E9(/7./;4 0'3).13/('3*,/**.)'3 1.3'+'++0/6-/38&7''7/;./29*.)(7.-,'&.-24;'6.30.N'-24-.+9*3:,/41.3('+(7.,9-07/*.1'3.4('3+60(3%9*(0.'3/3..)4;.3)'-7.096,-(*0'1,.66.)3'('364('',/4(7.+966,-0.29(('-.3*(/(.(7.93& 66 3:;.3)'-3','**.*> *'3 (*06./-(7/((7.06/**'+*1/66,-','-.('-*7/)6((6.07/30.'+7'6)3:(7.-'&3 3*907/(1.'/*(7.*.'6/&*).*0-2.('9* 7.')./+-/3864'/)1(*(7.';.-&7.61 3:3/(9-.'+(7.29-).3*&707(7.(/(.1,'*.)9,'3(7.1 ;.-4 4./-(7.4*/38).,.-3('')2('/3).;.-4 4./-(7.4&.-.6.**/3)6.**/26.('1..((7.-6/26(.*N 7.40'96)2'--'&'364+-'1(7.;.-4 1.3&7''&.-.793:.-3:+'-(7.-6/3)/3)&7'')*-.)(7.-.5(30('3 7.1./3*'+0'1>,/**3:(7.-9 3 6/4-./)4('(7.7/3)'+/:-./(,-',-.('-&7'+3'(3'++0.7 1*.6+&/*0'33.0(.)24*'0/6+-.>1/*'3-4&(7((7.'++0/6 06/**&7''0'96)',-.%9)0.(7.%9):.'3(7.2.307''-2-2.(7.1./3.-'++0.-*'+(7.6/&

(*..1*06./-(7.3(7/((7.*1/66.-6/3).)',-',-.('-*&.-.+-'1(7.;/-'9*0/9*.*&707&.7/;.).*0-2.)2.>0'13:*(./)64','-.-/3)6.**391.-'9* E9(&76.(7*07/3:.+-/9:7(&(7'1'1.3('9*0'3*.C9.30.*'('1/3**'0.(4&/* 3',-':-.**/3'(7.-3(7.',,'*(.)-.0('3*.C9/664'2*.-;/26.7.9,,.-''-*.3/('-/6 06/**&/*:-'&3:3'('364 3&./6(7292 3',&.- (*/++69.30.0/32.*./*64*.*(1/(.)+-'1(7.6.((.-*'+411/079*+-'1(7.).06/1/('3'+/6;/39*/3)+-'1(7.,0(9-.'+=/66 0**'0.(4&707 ,'66 3/-*)'39*7/*6.+('9* (*:-'&3:,'&.-*&-((.3'3 1/34/,/:.'+(7.)W 3*,(.'+(7.;/*('/3)0'1,60/(.)

G &0!'7,#'G[' @RQQN'DC')N'E ?'C?F E? QN' @@ND QN' @D)' YQC C'O)DLDED@ KQC'L)QC C'L?@ D?)D' RQ')KQF C' ??@ @D Q ' O?CCDCC ?@DN' D@E ?@'?K'K??'C?FQN'RQ)'EDL D ' @MF?@ @QC'OD E Q QC Qo'E'E?N ' @D O?C ?'ED Q ')E N' Q DN @QN' DED)'LQ')F D'O ?K) Q')KF)) '1'G[' RQ?E'C'?NO ?'? L?'D' \'1'G[' QCQ)' @' N)Y? DN' LQNQ')EN @C) ?@D'Y D Q@? QC'D L ' D@ FQN'L DC?D) K@C

1 /07 3 .-4' & 7 07' 7 /) ' 2 . . 3' .6 / 2 ' - / (.) ' 24' * 900 . ** ; .' . 1 , . - ' - *' + ' -' (7 .' /) 1 3 * (- / (' 3' ' + ' (7 .' , - ' ; 30 . * ' (7 .' (/ * 8' ' + ' : ' ; . - 3 3 :' (7 . 1' & (7' , 9 - (4' . 0 ' 3 ' 1 4 ' / 3)' + / - 3 . ** ' (' ' / 66' 06 / ** . *' 2 . 0 / 1 .' 1 ' - .' / 3)' 1 ' - .') ++ 096 (' 7 .' : - . / (. * (' ; : 6 / 30 .' / 3)' . 3 . - : 4' & . - .' . 5 . - (.)' 24' (7 .' 0 . 3 (- / 6' / 9 (7 ' - (4' (' ' * . 09 - .' (7 .' 3) . , . 3)> . 30 .' ' + ' (7 .' , - ' ; 30 / 6' : ' ; . - 3 ' - * $' / 3)' (' ' - . , - . ** ' (7 .' (. 3) . 304' (' ' 0 ' - - 9 , (' 3' / 3)' ' , , - . ** ' 3' / 1 ' 3 :' (7 .' 0 ' 66 . 0 (' - *' ' + ' (/ 5 . *' / 3)' (7 .' 3 + . - ' - ' ' ++ 0 . - *' ' + ' (7 .' 6 / & M' E 9 (' (7 .' ; . - 4' 39 1 2 . -' ' + ' .) 0 (*') - . 0 (.)' (' ' (7 . * .' . 3)*') * O6 ' * . *' (7 .' 1 , ' (. 30 .' ' + ' (7 .' . 1 , . - ' - ' . / ; 4' + 3 . *' 2 / 3 * 7 1 . 3 (' (' - (9 - . ') . / (7' / - .' / 66' 3 . ++ . 0 (9 / 6' (' ' 07 . 08' (7 .' 3 . ; (/ 26 .' 0 ' - - 9 , (' 3' ' + ' / ' 29 - . / 90 - / (0' : ' ; . 1 / . 3 (' ' , . - / (3 :< ' ; . -' / 3' / - . /' , - ' 2 / 264' (7 .' &) . * (' & 7 07' 7 / *' . ; . -' 2 . . 3' - 96 .)') - . 0 (64' + - ' 1' / ' * 3 : 6 .' 0 . 3 (- . ' 7 .') * (/ 30 .' ' + ' (7 .' * . / (' ' + ' : ' ; . - 3 1 . 3 (' & / *' 93) ' 92 (.) 64' (7 .' : - . / (. * (') ++ 096 (4' / 3)' (' & / *' / ') ++ 096 (4' + 9 4' - . 0 ' : 3 * .)' 24' (7 .' 1 , . - / 6' 6 . : *> 6 / (' - ' (7' / 66' (7 .' + / 0 6 (. *' ' + ' (7 .' ' 1 / 3' , ' * (3 :' * . - ; 0 . ' (' & / *' L 3' 1 / 34' 0 / * . *' ' 364' / + (. -' / ' 6 ' 3 :' 3 (. - ; / 6' (7 / (' (7 .' 0 ' 1 > , 6 / 3 (*' ' + ' (7 .' / : : - . ; .) ' , - ' ; 30 / 6*' 0 ' 96) ' - . / 07' (7 .' : ' ; . - 3 1 . 3 (' 7 .' * . 3 *. ' ' + ' - . 1 ' (. 3 . ** ' 19 * (' 7 / ; .' 3 *, - .)' 0 ' - - 9 , (' / 3)' 93 > , - 30 , 6 .)' ' ++ 0 / 6*' & (7' / 3' / 9) / 0 (4' & 7 07' (7 . 4' & ' 96)' 3 ' (' 7 / ; .' * 7 ' & 3' + ' (7 . -' 0 ' 3) 90 (' 7 /)' 2 . . 3' 6 / 26 .' (' ' 1 ' - .' 3 * (/ 3 (' . 5 , ' * 9 - .' E 9 (' 2 . 4 ' 3)' / ') ' 92 (' (7 .' 1 ' * (' * . - ' 9 *' ' 2 * (/ 06 .' 3' (7 .' & / 4' ' + ' , 9 - .' / 3)' 7 ' 3 . * (' /) 1 3 * (- / (' 3' & / *' (7 .' , ' & . -' ' + ' (7 .' , - ' ; 10 / 6' / - * (' 0 - / 04 ' 3' (7 .' 1)) 6 .' ' + ' (7 .' + ' 9 - (7' 0 . 3 (9 - 4' (7 .' , / (- ' 3 / : .' & 7 07' . 3 / 26 .)' (7 .' * 1 / 66 . -' , - ' , - . (' - *' (' ' . ; /) .' (7 . -' * 7 / - .' ' + ' (7 .' (/ 5 .*' & / *' * . ; . - . 64') . / 6 (' & (7' 24' / 6 . 3 * M' (' (7 .' 06 ' * .' ' + ' (7 .' 0 . 3 (9 - 4' (7 .' (7 - / . / (' ' + ' * (66' 7 . / ; . -' ,) 7 / 6 (. *' - . ; . / 6 *' (7 .' + / 0 (' (7 / (' (7 .' 1 * 07 . +' *' * (66' - / 1 , / 3 (M' 7 .' , / (- ' 3 / : .' & / *' , - ' 2 / 264' , /) ' + ' -' 3' / ' + / * 7 ' 3' & 7 07' * (66' + 9 - (7 .-' 30 - . / * .)' (7 .' 3 + 69 . 30 .' ' + ' (7 .' , / (- ' 3 ' 7 . ' 9 , , . -' 06 / ** ' ' -' 50 ' / * U (7 . 4' / - .' 0 / 66 .)

' (' * ' ' H ' G' &? ?) ') D' ? X K EED@' ?' C ' # M' YQEPDC' ?@' MD' KD@LM ' ? ' MD' #M?FD' ? ' ' _ ' \ 8D' O L ?' . DL ? C' 5 ? @L) D ^

' 1 ' U ' AB') @E' A_ ' DCO ' A_ ' A ' M ' RQ ' @' / DOQKF L) ' D C) ' C @ C D Q)' CQ@ ' OD OD Q ?' C K ' ?N @DC' E P@) DC ' LF ' FDP N) C' DF' M?@?)) C ' C?) @ ' DCCD' O) DLF C) C ' ' ' G ' LDCCD@ ' Y) N ') O) LDC' ? &L) F QN' N) @QC ' LDCCL ' @RQ) N ' ' @) N ' C ' N ?@ ' @?@' LLCC) D Q ' O) DL EL@ Q ' - ? D' M) ' M C' C') ' F) #' ? ' ?@C) @ @D ' , @ ' HWG ' %MD' PQ F T' ? L) F #) C' EDP) EDE' ?' OFDKD) @') @S KDL) ND' . , - ' DRQ DE' ?' DC ? D' ?Q ?FE' MD') N ?Q@ ' ? ' M C' FF L ' P) @C' b#M LM' L?QFE' KD' DL? D DE' ?N' M C' MD C" ') @E' O ?M K DE' ?N' M?FE @P' M?' C) ND' ? LD' ? ') ' CDL?@E' D N ' b DD' U ' A_ ' G ' W ' ') @E' U ' AB ' A ' # M' J ?ED ' ?T C' @? D "

' 1 ' U ' A ' A ') KC @D) @ ' O) ? ' L @ C') P D?F) ? ' D L ' ' , N N ' VF) L ' UUU ' G ' ? ' M?' LM)) L D ' ? ') FDQC') C') @') EN @ C) ?

' (' * ' U ' A ' <' DULDFFD@) ' Q) ' ' ' CD D ? DN' O?D@) Q ' @?C') EE E CC?' L?P@?CL) '

3'(' '364'.3:/:.)' 3'(-/).'(7.1*.6;.*$'29('*.09-.)'(7.'.5.1,>
('3''+'(7.'-.:96/-'(-/).-'+-'1'(7.'(/5'1,'*.)'9,'3'7*'0/66 3:'
-.) ('-' & (7' 9*9- '9*' '-' +-/9)96.3(' 06/ 1*'$ 3)90.)' :-./('
6'-)*' ('' $;.' (7.-' 3/1.*' ('' (7.' *9(N' & (7' (7.' '2%.0(' 3''
)'92(' '+(.3' /((/ 3.)' '+' ';.- /& 3:' '-' 3+69.30 3:'(7.'%9):.'
(' *' 3..)6.**' ('' */4' (7/(' (7.'-07' &.-.'.C9/664'.3.-:.(0' 3'
(7.-' '&3' 3(.-.*(*' .'6./-3'2'(7'+-'1' /6; /39*' '/3)'+-'1'
(7.' ').N' (7/(' (7.' &./6(7.-'06/**' 3' =/96' 0'3(-;.)' ('' *7 +('
(7.-' *7/-.' '+' (7.'6/3) (/5' '3' (7.-' ,''-.-'3.:72'9-*' 3)'
3' /' 6/&' '+' (7.';.-4' 3.5(' 4./-' &.'+3)' (7/(' (7.',-/0(0.' '+'
).6/4 3:' ,/41.3(' '+' (/5.*'N 7/)' 2.0'1.' *'' :.3.-/6' (7/('
'3'-9*' &/*' 0'1,.66.)' (''1,'*.'/'+3.'+'+'9-+'6)' (6.'
/1'93(' '3' (7.')/ / E9(' & (7'9(' /34' ',.3').+/30.'+'
(7.':';.-31.3(' (7.'9,,.-'06/**' 7/)' 1/34'1./3*'+'07./(3:'
(7.' (-./*9-4' +' +'-'.5/1,6.' /3' 3*,.0('-' 0/1.')'&3' ('
-.;*.'(7.'6/3)'/**.**1.3($'/3)' ('*.((6.'(7.'6/26(4'+'-'&/*(.'
6/3)*' (' &/*' 3'(') ++ 096(' +'-' /':-./(',-',-.('-' ('*..' (7/('
(7.'*.((6.1.3(' &/*' 3' 7*' +/;'9-' +' 7.')' 3'(' 7 1*.6+'
/,,./-'9,'3'(7.'*0.3.'7*'/:.3(' 0'96)'-.+9*.' 3+'-1/('3'/2'9('
(7.'-/(3:''-''(7.-&*.' 1,.).'(7.' 3C9-4' 3)' 93+'-(93>
/(.64'(7.' 3*,.0('-*'6 8.'*'' 1/34'' '+' (7.'' ++ 0/6*' '+' (7*'
,.-')' &.-.' ./*64' /00.** 26.' ('' 2-2.*' '-' '(7.-' +'-1*' '+'
0'--9,(' 3+69.30.' 7.' /2 / '+' (7.':-./(' .*(/(.*'&7''
/*' /' 06/**'&.-.';.-4'0'--9,(' /3)' 93,-30,6.)')'92(6.**')'
Q1/34'(7 3:*'+'&7 07'(7.-'1/*(.-*' 1 :7(' 7/;.') */,,-';.)'
7.4'&.-.':.3./664'1.3'+'6'&'-'.;.3'*.-;6.'-:3N'&.6)>
3:'/61'*('930'3(-'66.)',' &.-' 3'(7.'/2*.30.'+'(7.',-',-.('-'
7.':';.-31.3(' -.,./(.)64'*7'&*' (*') *(-9*(' '+'(7.1N' 3

'(' * ' U ' G' AG' L ' U ' G'
<' #M LM' E CLOQ)PLV')E @P')N?@P'
Y? D@ DC

A 1' 'GW' G' L ' U 'G' G<

' 1' U ' G' AG

' 4.' "-1' 4 ' ' AH' FFQE' @E P '
@)C')L' O?L@)F QC' RQ?E' ?N@ QN' ?@QC'
@?@' ?N@DC' CQC @D@ ' NN?' RQ?E'
O)QOD ?QF?)' M?N @DC' KQ)' E QN
'O DNQ@ ' D' @ N ? DC' D Q@' C) L@)C'
E ? QN

' O' U ' G' AB' @QFFQN' P))'
LFD D ' @QFFQN' @ RQ)?' O) ?@ C'
DUD' @L?N N?EQN')DE' O) ' ?N@DC'
C? Q' D@D)@ Q

1 U ' G A_

1 U ' GG' A' C' 5D)DRQ) ? D'
N CC?')F RQ C')Q ' 5 ?LQ) ? DN' CQ@N'
D)UD ')Q '??F?@QN')E L?@ @@)?)N'
D)L) ?@' C') N) D ' D L' ' G' _'
?@' MD' L? QO ?@' ? 'OD)LRQ) ? DC

' 1' U ' G' IA' @' O ?M K @P'
)' LQ)F C' ?' KDL?ND' O ?LQ) ? ' MD'
.NOD ?' QCDC' MDCD' #? EC' FFD' D ?'
RQ' @ NDN?' F KD) C' D ' PD@D C' @ '
)N CC N)N' CQC? O D@C' F) DN' DU'
C N) ?@DN' C@)N' CD F' ?KCDLQ@E)'
?@D' E)N@) D 'EDO?) ?@ C' @L?N'
N?E?' CQKYQPD Q

' . P' ' ' ' N?ED) ? DC'
5 ? @L)D' LQ)N' PDYD O' YQKDNQC' @D'
RQ E' 5? ? QN' 5 ?LQ) ? DC' OD OD)N'
F L D D' L?NN)@

(7. (1. '+ (7. 3;/* '3* (7.4 :/;.*7.6(.- ('+9: (;.* & (7 (7. '2%.0(' '+ -.(/ 3 3: (7.1 /* *6/;.* $ 7.4 &.-. 3 6./:9. & (7 2- :/3)*N /3) 7/-2'9-.) (7.1 '3 (7. .*(/(.* '+ &7 07 (7.4 7/) (7. 1/3/:.1.3(' '6/&6.** 7/) (7.4 2.0'1.' (7/(' (7. ,-'09-/('-* 3 *.;.-/6 ,-'; 30.* &.-. *,.0 /664 +'-> 2)).3 (7. 9*. '+ 7'-*.*N /3) (7.4 &.-. 0'9,6.) 3 (7. ,-'> 7 2 ('3 & (7 (7'*. & 6) 7.-)*1.3' '+ /1 3 9 1 /3) ,96 /' &7'' *'' ./* 64 ,/**.) 3('' (7. -/38* '+ ,-'+.** '3/6 -'22.-* 7.4 /-. /6*'' /**'0 /(.) 3 *.;.-/6 .) 0(* & (7 (7. 0-1.' '+ 0'30./6 3:).*.-(.-* +-'1 (7. /-14$ 3 +/0(' (7. /:.3(' '+ /' -.1'(. .*(/(. 19*(' 7/;. '+(.3 3;'6;.) 7 * 1/*(.- 3 (7. 1.*7.* '+ (7. 6/& 7. ,-'09-/('-*. .1* ('7/;.*'1.(1.* :'3. *'' +/- /* (' 74,'(7.0/(. /3 .*(/(.& (7'9(7 * 1/*(.-<* 83'&6.):. N /3) 1'-. (7/3 '3.6/&) ./6* & (7 (7 * ,-/0(0. 3 '-).-('' ,-'(.0(/(' '30. (7. '&3.-/3) (7.0/" 5- 1'-(:/:.. '-' (7. ,-'09-/('-' &7'' .3:/:.) 3 *907 (-/3*/0('3* &/* / 1/3 &7'' &/* ,-'2/264 /0091 96/(3: /'+'-(93. '+7 * ,&3 /3) (7 * - 21 2) ; *92%.0(' (' /34 ,- '- 06/ 1' '+ (7. 1/*(.-&/* 1/).6 /26.'+'-' (7. -.,/41.3(' '+ 1/9(7'-*.) 6'/3* (' 1/4 2. -./) 64 2.6 .;.) (7/(' *907 /' 06/** /* (7 * '+(.3 93).- 3'' 0'3(-'6 '- *9,.-; * '3 &'96) .5.-0 *. (7. - ,'&.-' 1'-. 93> *0-9,96'9*64 /3) ', ,.-.** ;.64 (7/3 .;.3 (7. 1'*(' (4-/33 0/6 /-*('0-/(' 7. 1'*(' *.- '9*)/3:.-' 7'&.;.-' ('' (7. *1/66 6/3)'&3.-+-'1 (7. :-./(' 6'-) * 6/4 3 (7. +/0 6 (.* &7 07 (7. 6/((.- ,'**.**.) +'- 0'--9,(3: (7. *'9-0.* '+ %9*(0. 7. :';.-3'-' &7'' 7/) (' 7./-/' 0/*. 2.(&..3 /' &./6(74 1/3 /3) /' ,''- 1/3 2.6'3:.) (' (7. *.3/('-/6 06/** 3 1/34 0/*.* &/* /' 1.12.-'+ (7./- *('0-/04 '+ (7. ,-'; 30. 3 &7 07 (7. 0/*./-'*.M$ 7.6 (:/3(' '+ 7 * '&3 -/38 0'96) ./* 64 2- 3: ,- ;/(. ,-.**9-. (' 2./-' '3 7 1 (' 3+69.30. 7 *).0 * '3* ;.3 /3 9,-:7(' 1/3 6 8. 4 1 1/079* 7/) 3'' *0-9,6. 3 &-(3: (' 7 * '++ 0 /6 +-.3) * /2'9(0/*.* &7 07 &.-. (' 0'1. 2.+'-. (7.1 N (' * (' (7. 0-.) (' '+ (7. .1,.-'-* (7/(' (7.4

=' O ' <' A' %MD')L ? DD')@E' O ?LQ) ? DC' #M?' E C?KDTDE' M C' F)#' #D D' ?' KD' CD@ ' ?' MD' N @DC
' ' U' AI' A' C' D ?' ,L ? ' C D' 5 ?LQ) ? ' F) ?@DN' E?N @?' P@?) @ D' ???QF) D ' ' ' F)NN C'QF D KQ)'??@' L DND Q
W 1' U' W[' A
' 1' 'GH' <)@E'GA' %MD'? D@E @P' O ?LQ) ? ' C' ?' KD' L)O)FFT' OQ@ CMDE

' ' H['A' \ 8D' 5 P@? KQC^
(' ' 'WA' G
') '8) E)@QC' 5 D ?)@' O D DL '?' J)QF' [I GW' MD' P)@E) MD '?', O?F3' E?@ QC' N)5' ' GA"' %?@)@ QC' 9D D?FQC' D L' %MDCD') D' @?' ND@X ?@DE'M?#D D ')C' @C)@LDC' ?' L?@ O ')EN @ C) ?@
(' TN')5' 'BH' ' G' 'H_

(' 8 (7. *.;.-.*(1./*9-.* (' *.09-.' %9) 0 /6 ,9-(4 7. -.:96/('3 /:/ 3*(:';.-3'-* 7/; 3:/*.0'3) (.-1' '+ '++0. 3 (7. */1. ,-'; 30. $ &/* 3(.3).) (' 07.08 (7.:-'&(7' +0'3> 3.0('3* /3) 3+69.30.* &7 07 1 :7(,-';.' (' ' *(-'3:+'-(7. ; -(9. .;.3 '+/ &.66 1./3 3:-96.- 7.)/3:.-* *(66 1'-. 06./-64 -.0':3*.) 3 (7.-96.* &7 07 +'-2/).' (7./)1 ** '3 '+ /34 '3.-07 '-, ''-(' /3 3(.-; .& & (7 /:';.-3'-/+(.-7 * 0'9-(7/) 06'*.) /(1))/4$ /3) &7 07 .3%'3.) 7 1 3 7 * ,-':-.**.* (' -.+9*. 3; (/('3* (' Q (7. 6959-'9* C9/-(.-* R &7 07 7 * &./6(74 +-.3) * &.-.-./)4 (' ,6/0. /(7 *) *,'*/ N .-4 .5,6 0 (64 3 (7. 4./-VA" ' '3'-9* +'-2)* '3'-/(' (' * ('3 (7. 2.307 & (7 /%9):.F M /66 0/9*.* /-. (' 2. 7./-) 3 ',.3 0'9-(& (7 (7. +966.*(,926 0 (4 N

;'691. 1 :7(KD & -((.3 '3 (7. CQKYDL '+ +3/30 /6 0'--9,('3 3 (7.6/*(0.3(9-4 '+ (7. .*(.-3 1, -. 7.3 '3. &/3).-* (7-'9:7 (7. 1/O. '+ .3/0(1.3(*).63:& (7 +*0/6 ',,-.** '3 1/6;.-*/('3 /3) .;/* '3 '3. 83'&* 3'(&7.(7.-1'-. (' , (4 (7. &./83.** '+ (7.:';.-31.3(' '-('&'3).-/((7. 7/-).3.) 09,) (4 /3) /9)/0 (4 '+ (7. 06/**.* &7 07 &.-. 6./:9.) (':.(7.-3 ,693).-3:2'(7 (7. (-./*9-4 /3) (7. (/5,/4.- 3 (7./-64 ,/-('+ (7. + +(7 0.3(9-4 (7. ,-'; 30. '+ +-0/ * ' **.3(/6 (' (7.;.-4 .5*(.30. '+ (7. L)O)F TD MDFE KT *' O DL) ?QC)D@Q D)OOD)FDE 24 EDX ,9(/('3 (' (7. 1,.-'-+'-.6 .+ +-'1 (* 1 *.-.* N 7. 0'1,6/3(* -.6/(./61'*(.3(-.64 (' ',,-.** '3 /3) 3%9*(0. 3 (7. 0'66.0('3 '+ (7. ;/-'9* 2-/307.* '+ (7. -.;.39. 7. 9,,.-06/**.* *.09-.) 1193 (4 +-'1 (7. -, -',.-29-).3* '-* 900..).) 24 93+/-/**.**1.3(3 *7 +(3:(7.1 '3 (' (7. 06/**6.**/26. (' 2./-(7.1 7. *'6) .-* /3) '++0/6* :-'**64 /29*.) (7. -:7('+ +-..' C9/-(.-* 3 1'; 3: (7-'9:7 (7. ,-'; 30. $ 7. ;/-'9* :-/).* '+ ,926 0 *.-;/3(* &7'*. 29* 3.** (&/* (' 0'66.0((7. -.;.39. N '-(' ,-.** +'-

U * U AB C RQ) 5 ?L?@ CQF) DN) Q L))N O? DC) DN D L D) D LNO) D KCL? DYQC ?N@D O) N?@ QN C?L) ED?D @ NQC

(_ B

1 3 _ '@?@ED D LQF) E@4L ?C) CDL D Q , @T E D C? QN FD@ ?') YQEDU @ MD)LD ? M C F)#' C 'KD L?@ CL) DE

1 H G

(1 _ A

1 U G GBB U B A_ WW

1 H G[9?)' P??E CQNN) T ? MD CQ D @PC ? , L)) M C ND ?N L? QO ? L)FC CDD J?ED ?T C @? D ? AI GG MD F)#' #M LM ? ED C MD LQ ?C ?KD DUODFFDE ?N MD O ? @LD

$ QCLDO ? DC 1 U B L 9)Q DF HBA

,/41.3($' -' ('' 8..,' (7.' -.;.39.' /00'93(*$' &.-.' /66' :9 6(4' '+' (7.' :-'**.*(' +-/9)' 3'0' 9* '3' & (7'./07' '(7.-' '-' '+' '9(> -/:.'9*' (.--'-*1' /3)' ; '6.30.' 6 8.' 3' +- 0/' /3)' =/96' (7.' :-./(' 6/3)'&3.-*' /(' (7*' (1.' (/8 3:' /);/3(/:.' '+' (7.' .;).3(' &./83.**' /3)') ++ 096(.*' '+' (7.' :';.-31.3(' .(7.-' .;/).)' '-').6/4.)' (7. -' ,/41.3(*N' 3' 1/34' 0/*.*' (7. -' /:.3(*' 6 ; 3:' 3' -.1'(.' 3).,.3).30.M' '++.-.)' /'*('6)' -.* *(> /30.' ('' (7.').1/3)*' '+' (7.' (-./*9-4' /3)' (7/(' /(' /' (1.' &7.3' (7.' 9(1'*(').*,/(07' &/*' 3..).)' ('' ,-.,/-.' +'-' (7.' *('-1' &7 07' &/*' -./)4' ('' 29-*(' 2'(7' 9,'3' =/96' /3)' (/64' /3)' &7.3' (7.' :';.-31.3(' 7/)' '3' (*' 7/3)*' /' (-'926.*'1.' &/-' 3' +- 0/' '(' 0'3(.3(' & (7' (7*' (7.4' *7.6).)' 24' (7.-' ,/(-'3/:.' &./8.-' 1.3' &7'' 7/)' ,.-7/,*' 1'-.' .509*.' +'-' +/66 3:' 3('' /--./-*N' 7.3' 0'1' &/*' 9-:.3(64' 3..).)' (''*/;.' (7.' 0 (4' +-'1' +/1 3.' '-' ('',-';*'3' (7.' (-'',*' +'-' =/96' (7.4' /66'&.)' ;.**.6*' 2'93)' (''(7.' (-/3*,'-(' *.-;0.' (''2.' .3(.-.)' 3' (7.-' 3/1.*N' 7.4' 2-2.)' (7.' '++0.-*' '+' (7.' 0.3*9*' (''1/8.' +/6*.' .3(-.*' '+' ,-',.-(4' 6/26.' (''(/5/('3' /3)' 6/3)' 3*,.0('-*' (''-.6.;.' (7.1' '+' (7.' 29-).3' '+' 93,-')90(;.' .*(/(.*$' +' (7.4' ,9-07/*.)' /3' .*(/(.' +-'1' /' 1/3' 3')++> 096(.*' (7.4' &'96)' '+(.3'24' /'*9--.,((' '9*'0'3(-/0(N' *7 +(' (7.' 29-).3' '+' (7.' 0/,(/('3(/5',/426.' '3' (7.' 0'6'3' '+' (7.' .*(/(.' (''(7.' *7'96).-*' '+' (7.' 3..)4';.3)'-' E4' 3+69.30.' '-' 2-2.*N' (7.4' 3)90.)' (7.' 2''8 8..,.-*' (/296/-T' (''0''8' (7.-' /00'93(*' 3' +/;'9-' '+' (7.1*.6;.*' '-' (7.-' 06.3(*' (' *') ++ 096(' (''0'30.;.' /',&.-+96' /3)' &./6(74' 06/**' 1/34' '+' &7'*.'1.12.-*' 19*('7/;.'83'&3'(7.'-.*,'3* 2 6(.*' '+' :';.1

' ?NOQFC? DC' "' * 'U 'G'W '# M' J?ED ?T C'@? D' 'L ',NN',F) L' UU ' @

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' 1'G' A<' AB' A_' %MDCD' F)#C' #D D' CCQDE' @' WBH')@E' WI I

$'2 ' 'H_' U' B',L ? DC')MCD@' QN 'RQ KQC' DC F?@N@RQ)'L?NN Q ')@RQ)N' C?FQ 'FDP KQC' Q@ g' "' * 'U 'A ' 'RQ')QE)@E? QN' KQ ? QN' L)QC)')E' O) ?L @)' C?F)')QED' L?@ QPD @ ' L ')F ' ' " 1' 4 ' '

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' 8DCD)' O)?E)')EEDE' KT' MD' @X CODL ? C' ?')' O ?EQL D' DC) D' #D D' DUDNO DE' ?N' MD' CD@) ?)F F)@E)U' KT' 'A' GW' ? ' U ' GG' H')@E' GA' %MD' O ?LDCC' ? ' ? ')E)DRQ) ?' C DUOF) @DE' @' J?ED ?T C' @? DC' ?' MDCD' F)#C' 'U 'GG' G[')@E' J?ED ?T C' @? DC' ?@' U 'GG' GB

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EDN?@C)'L''A_''?'QFDC'?'
)EN CC?@'?'MD'CD LD
$1''AI'GG'RQ'DU'??FD?)'O?'
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DC @)@''b'@DDE'M) EFT'KD'C)E'M)'
,'C')OOF'DE'?'5)F)@D'CD Y?D'
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' 7.' *9*0.,('-.*'&7'*&.-.' '+(.3'(/8.3'+-'1'(7.'09-/6'06/**'7/)' 1/34' ',,'-(93(.*'+'-'+-/9)'/3)' ',,-.**'3$' 7.-'29*3.**'&/*'07.+64'('-.0.;.'(7.'(-29(.',/)' 3'83)'+'-'(7.'*9,,'-('+'(7.'(-','*'/3)':';.-31.3('*.-;0.M' '1.(1.*'(7.4'))' 3'(':;.'-.0.,(*'/('30.N'-'(7.4':/;.'(7.1' 3'3;/6)'+'-1'&(7'9('(7.',/-(096/-*',-.*0-2.)'24'6/&'' '1.(1.*'(7.4'9*.)'+/6*.'&.:7(*'/3)'1./*9-.*M'*'(7/('(7.'93+'-(93/(.'+/-1.-'7/)'('+9-3*7'1'-.'(7/3'7*',-',.-'C9'(/'-'/:/3'(7.4'&'96)'6.3)'(7.1*.6;.*'('(/0(0*'24'&707'(7.';/6)(4''+'/'-.0.,('&/*)*,9(.)'/3)'(7.,/41.3('6.;.)'/'*.0'3)'(1.N' 7.'/00'93(/3(*'+'(7.'/-14'*('-.*'391.-/-'/0(9/-T'&.-.'/9)/0'9*''++.3).-*' 7.4'/-.',6/364'07/-:.)'&(7'+/6*+43:'/00'93(*'/3)')-/&3:'6/-:.-'*9,,6.*'(7/3'(7.'0'-,*'&.-.'.3((6.)'('N' 7.'/0(9/-'*..1'('7/;.'2..3'/',/-(096/-64'(-'926.*'1.'06/**'/3)'/-.''-).-.)'/&/4'+-'1'(7.'0/,(/624'/'6/&''+'-0/)9*'3'?#"‹$E9('('&/*'/('(7.'7/3)*''+'(7.';/-'9*''++0/6*'07/-:.)'&(7'(7.')9(4''+.3+'-03:',/41.3('/3)'0'66.0(3:'/--./-*'(7/('(7.',-';30/6**9++.-.)'(7.'&'-*('0-9.6(.*'7.-.'&/*'/,,/-.3(643''','**26.'1./3*''+'-.*(-/33:'(7.1'7.-'3*'6.30.'*').*0-2.)'1'*('; ;)64'/3)',93*7.)'1'*('+.-0.64'3'*'1.''+'(7.'6/(.*('6/&*'3'(7.'').N'E4').1/3)3:'-.0.,(*'&707'7/)'2..3'6'*(N'24''; .-.5/0('3N'24'+-/9)96.3('1.))63:'&(7'(7.'6*(*''+'(7.'0.3*9*'24'1.-.'(.--'-*1'/3)'2-9(.'+'-0.'(7.40/9*.)'*907'1*.-4'/3)')*0'3(.3('(7/('(7.'1,.-'-'7/)'1'-.'(7/3''30.'/('/66'0'*(*('(7.'-.;.39.'('''-).-'(7.--.1';/6'+-'1'/'&7'6.',-';30.' 7.-'.5/0('3*'/3)'*9,.->.5/0('3*'7/)'-./07.)'*907'/',' 3('3'VVA'N'(7/('7.')'*9*/3)'/6.3(1/3'**9.)'/'-.*0-,('&707':/;.'(7.':';.-3'-*''+',-';30.*'(7.','&.-.''+',93*73:'(7.1'&('9('/34'+./-''+

'7'J?ED ?TC'9)) F?@'?'U'*''U'

'QCLDO?DC'CODLD QN'('*'U''I

'1'U''A_

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'1''G'G<'@'MD'DP@'?'?@C)@@D'MD')QEC'#DD'C?'D@?N?QC'M)'MD'.NOD?'MD)D@C'MDN'#M'?QD'?'MD'?D@LDC

1''G'G

H&0!'7,''%,:''%,'A'bL',NN'1)L'UUU'L'<"

('('*'U'AB'A

1'U''A

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\'''Q@D CD'L?NOQFC?QN'PD@D)'DU',L)@C'O?@L)'L?@C'QNQC'ODFFD@E)'GA''AI'LQ?C?C'O)D?DO NQC'?N?D'%M C')FC?'DF)DC'?',L)'L'MD'DN?)F?'LQ?C'?N'8)FN))

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(7. '93(* +(7. (-./*9-4 E9((7. .++.0('3(7. 0'66.0('3 +(7. -.;.39./3)3'(6./*((7. *69- '3 (7. 669*(-'9*R '++0.-* &7'*. ,'&.-* &.-. (79* 09-(/6.) '-&7'*. :/3* &.-.) 1 3 *7.) 0'1,.66.) (7. 1,.-'-(&'4./-* /+(.-&/-)* ('-.*0 3) (7. +'-1.- 6/& (* '364 ('' .;).3((7/((7. 1,.-'-* 0./6 +'- 7'3.*(/)1 3 *(-/('3 1.(& (7).3> 3: ',,'* ('3 3 (7. 7 :7.*(/* &.66 /* (7. 6'&.*(-/38* '+ (7. *.-;0. 7. Q).+.3*'-.*R M '+ 0(.* 7/)/* '3. '+ (7. -1'*(1,'-(/3( )9(.* (' ,-'(.0((7. (/5,/4.-* +-'1 ';.-> .5/0('3 .('3. 0/3 *.. +-'1 / 6/& '+ VA# N (7/((7. ,-'(.0('3 &/* '+(.3 3'((' 7. -.6.) 9,'3 7.).+-/9).) ,-'; 30 /6 *) -.0(.) 3 (7. + -*(3*(/30.'(' /,,./6 (' (7.).+.3*'- (7. 09- / /3) (7. 1/: *(-/(.* + (7.4 -.+9*. (' /00.,(7 * /,,./6 7. * /* / 6/*(-.*'-(3 (7. ,-.*.30. /3) & (7 (7.0':3*/30. '+ (7. ,926 0 06.-8* /3) 1 3'-'++0 /6*' (' ,'*(9,7 * 0'1,6/ 3(3 (7. 1'-. ,926 0 ,6/0.* '+ (7. 193 > 0 ,/6 (4 7.-. *9-.64 3.;.-& /* / 1'-. */-(6 3:0'3+.** '3 '+ 1,'(.30. 1/). 24 (7. 7./)* '+ / :-./(/)1 3 *(-/(;. *4*(.1

.-7/,* .;.3 *(-'3:.- ,-''+ '+ (7. 3/2 6 (4 '+ (7. :';.-3> 1.3((' 0'3(-'6 (* *.-;/3(* * (' 2. +'93) 3 (7. .3'-1 (.* '+ (7.) *09**'-.* $ /* (7.4 /-.).*0-2.) (' 9* 3 *'1. '+ (7. 6/(.- 0'3*((9('3* 7.*. '++0 /6* &7'*. 29* 3.** (* &/* (') *0';.-/3) 0/66 9,'/66 /--./-* '+ (-29(. &.-. /,,' 3(.) '3 / -.:96/-* *4*(.1 F /3) 3 '-) 3/-4 (1.* 1.3 &.-. 3'(;.-4 & 66 3: (' 93).-(/8./ +930('3* ' 3;) '9* '-(7. /--./-* &.-. ,-'2/264 C9 (./* '+(.3)9. 24 (7. :-./(,-'> ,-.('-* /* 24 (7. *1/6 E9(3 (7. 6/*(4./-* '+ (7. 1,-. 1.3 *..1 (' 7/;. (7-9*((7.1*.6;.* 3(' (7. '++0. & (7'9(/34 -.:96/-/9(7'-(4N 7.-'2%.0('+0'9-*. & /* 1.-. ,693).-

&0!' * B bA"' LQN O D)C @?C)' ' ' LD@CQD) 'Q 'FFQC DC 'C)L ')L O) ')D) ' ?N DC)LQF) DN L?@ ' EDN@)@E? QN VQE LQN @?@ M)KD D@ ' @' ' _' < MD O ? @L)F P? D @? C) D ? ED DE ?' ?')K?Q ')@E DUD ' MDNX CDF DC ?' K@@P ?' F PM ')QEC ?')U ' L?FFDL ? C ' 7Q ' MD L?Q@ C ?' MD F) PDCCDC @ <A ?@ MD O D DU ' M) ' MD @)@L)F CD LD #)C @ D D DE # M')L Q)FFT CQLLDDEDE @ D ? C @P MD P? D @? C

$ %MD O?#D C ? MD ED D@C? ') D ED @DE @ MD F)#' ? ' WIA (' * ' GG ' A ' OFDKDN)@ N DF 8DLQ ?@DC

)K ' ' D D ND) D QD)@ Q ' (' * ' U ' B AW ' V ? ' %,:' < ' 1) RQ) E ' 3 <AA ' 8D ?QF)@PDC 8 ! '". -' O ' WI ' 8D ?QF)@PDC)SDC)' E D D@ ' D#' ? ' MD ! "' ? LD ?N' N?C ')Q M? DC ' J?ED ?T C 5) F?@ ' ? ? ' * ' GG ' 9)Q DF ' W_< (' (' * ' U ' H ' W ' DD 5) F?@ ' ? ' J?ED ?T ? (' * ' U ' AB)@E MD @? DC ? &0! ' 7, $ %MD E CLQCC? DC ? ' MD D P@ ? ' &?@? QC #D D RQ D) ' L? QO ' * ' U ' AB ' A

$/3) (7.4 7/) .3)6.** ', ,'-(93 (.* '+ .3- 07 3: (7.1*.6;.* /34 ,-',- .('-* &.-.) . . ,64 3).2(3'('364 (' ,- ;/(. 0-.) ('-* 29((' (7.(-./*9-4 *(/(.* &.-.+-.C9.3(64 07/3:> 3: 7/3)* /3) 3 (7.0'3+9* '3 '+/'(1. '+ 3;/* '3 /3) ,/3 0)'091.3(* &'96) 7.6'*('- ,9-07/*.) &')) 7. 1/).& (7'9(+966 83'&6.): '+(7.6 /2 6 (.* '+ (7. ;.3)'- 7.) *09**.- &7'7/) '2(/ 3.) 7 * '++0.24 3(-:9.$ 0/1.) '&3 & (7 /, '&.-+96 -.(39. '2(/ 3.))'92(6.** 3 (7. */1. &/4).1/3)> 3: '6) -.0. ,(* MM ,-.*.3(3: /1/** '+ 0''8.) /00'93(* &7 07 3'' '3. 0'96) 07.08 6./*('+ /66 (7. * 1,6. +/-1.- /(+'66'&.) /*).*0-2.) 24 (7. 1,.-'-N -.*.126.* (7. &'-*(*0.3.* 3 9-8*7 ,-'; 30/6 :';.-31.3('9(-/:. ('-(9-. 1,-*'31.3(19-).-F /3) /66 (7.*. .3'-1 (.* &.-. 0'93(.3> /30.) /3) /0(;.64 *9,,'-(.) 24 '++0.-* '+ (7. ,/6/0. /3) (7., -/.('-91 & (7'(7./) '+(7.*'6) .-* '+(7.3. :72'9-3: :/--*'3 M 7'' 0/3 &'3).- (7/(,.',6. .5,'*.) (' *907 2-9(/6 (4 3 (7. 3/1. '+0 ; 6*.) :';.-31.3(*7'96) &.6> 0'1. (7.-9).%9*(0. '+(7. ='(70 07 .+HN .((&'96) 2. 17*('-0/6 /3) 93+/ - (' 7'6) (7. 1,.- /6 :';.-31.3(-.*,'3* 26.+'- /66 (7.*. 7'--'-* 61'*(.;.-4 ,/:. '+(7. ').2./-* & (3.** (' (7. 3) :3/3(.3.-:4 & (7 &7 07 (7. 1,.-'- /3) 7 * '930 6 *(-';. (' 07.08 (7. /3/-074 '+(7. ,-'; 30/6 /)1 3*(-/('3 E9(& (7 /7 :7 *.3*.' '+)9(4 /3) (7. /,,./-/30. '+ '13,'(.30. (7.0.3(-/6 /9(7'-(4 7/) 6'*(0'3(-'6 '+(7. ;/*(*4*(.1 7. :';.-3> 1.3(&/* :-'& 3: &./8.- /* (7. ,'&.- '+(7. /-*('0-/04 30-./*.) /3) /* &. 7/;. /6-./)4 *..3 (7. ,'&.- '+(7. /-*('0-/04 &/* 2. 3: /0(9/664 .5.-(.) (' 7/1,.- /3)).+./((7. 1,.-/6 /)1 3*(-/('3 7.*/1. ,/-/64* * *..3 3 ./07 ,-.+.0(9-. /3) 3 ./07 ,-';30. '-:.3.-/('3* (7.-. 7/) 2..3 1/34 :';.-3'-* *6'& '- 3.:6 :.3(3 .5.09(3:(7. & 66 '+(7. 1,.-'- .,./(.) .) 0(* /3) /-*3: *0/6. '+ ,.3/6(.* /-./ /*9++0.3(,-'+ '+(7 * E9(7.,-.+.0('-(7. :';.-3'-7 1*.6+ 7'&.;.-. /-3.*(/3)).(.-1 3.) &/* 6 /26. (' 2. (7&/-(.) 24 7 * *92'-) 3/(.* '- 24 (7. 3(- :9.* '+(7.

'&0 ' 7, ' _' E C?QCC? DC)E' O ?T @L) N @?@ DFDL ' C LQ ' L?NOL ' NQC' CDE) NK D@ DC D' E LQ@ Q ' D L '!'_'FDLQ) DC DUOD Q@) @@? QN)D D' D ' D QC) D' L?@CQNO) C' RQ) C CD ' T) D @DCL ' C NOF L)) ' D ' EQL) ' @ M F EDKD@ C

' ' _' @@QND) D' ED @ED' L)LED) ' C)DT) ' LQC ?E) ' CQ) OD@E ? Q Q' L QEDF) C' D ' Q@ TD C) ' ? NDQ) ' D L ' 1' _' D?FFDP) ' Q ? QN' 9)F) @QC' M?) Q ' @C) ') OO) ?' Q K?FD@) ' Q PD ' N N C' LUDLQ ?' N F) C $) FT ' ' (1' 4 ' T ' HB ' W_' L ' H

'(.3(.*' 7.-.'/-.'+.&'(-/0.*' 3'(7.'+'+(7'0.3(9-4' '+'(7.'
:-'**.-'+'-1*' '+'0'--9,('3' '-' ',,-.**'3'/1'3:'(7.'7:7.-'
'++0/6*'29('(7.-.'/-.'1/34',-''+*' '+'(7.-'+/69-.'('0/--4'
'9('(7.'3(.3('3*' '+'(7.' 1,.-'-' 7*&/*3'')'92('*'1.>
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7.*.' /-./' +.&' .5/1,6.*' '+' (7.' .+2-(*' '+' :';.-31.3(' ('' /66.;/(.' (7/(' 1/**' '+' 1 *.-4' /3)' *'0/6' 3%9*(0.' &7 07' (' &/*' 1,'(.3(' ('' 09-.' '' /' *41,/(7.(0' 1 3)' (7.-.' *' 3'' 1'-.' ,/ 3+96' -./) 3:' (7/3' (7.' 7.')'* /3' ')./' '+' (7.' + +(7' 0.3(9-4' 7.' /9(7'-*' '+' (7.*.' 6/&*' /-.' :.3.-/664' 6'/).)' & (7' (7.')'926.' ',-'2-91' '+' &./83.**' /3)' 0'--9,('3' %-') 10-2 -2//' /"' /2?/2 ' / ' 7.' *4*(.1' '+' 29-./90-/(0').*,'(*1' .6/2'-/(.)' +3/664' 24' '06.(/3' /3)' '3*(/3(3.' ,-')90.)' /' (-/:.)4' 3' (7.' (-9.*(' *.3*.' *907' /*' 7 *('-4' 7/*' *.6)'1' .57 2(.)F 3' &7 07' 24' /3' 3.5'-/26.' +/(.' (7.' 06/ 1*' '+' +/30.)' '13,'(.30.' .3).)' 3' /' 791 6/(3:' ,/-/64* *' '+' /)1 3 *(-/('3F 3' &7 07').(.-1 3.)' .++'-(' ('' -.1.)4' *'0/6' .; 6*' '364' /::-/;/(.)' (7.1' (66' (7.4' 2.0/1.' 93.3)9-/26.F 3' &7 07' (7.' 2.*(' 3(.3('3*' '+' (7.$0.3(-/6' ,'&.-' &.-.' :.3.-/('3' /+(.-' :.3.-/('3' 1'08.)' /3)').+./(.)' /28.' 24' --.* *(26.' 6/&*' '+' 791/3' 3/(9-.' /3)' 24' 7',.6.**' ,.-+)4' /3)' 0'--9,('3' 3' (7.' *.-;/3(*' '+' :';.-31.3(

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;.-409-*'-4:6/30./((7.7*('-4'+(7. 1,-.-.;./6*(7.*.0-.('+(7* 0-.,. 7.3;/*'3*'+(7.++(7 0.3(9-4&.-.3'(7 3:3.&3'-&/*(7.-./34(7 3:;.-4*(/-(6 3:3(7.*.((6.1.3('+=.-1/3*'3'1/3*'6 -'1(7.(1.*'+/-9*3'(/0.3(9-4 7/)(,/**.)&(7'9('*'1.;'6.3(3-'/)'+=.-1/3 7'*(* 7. 14-/)*/33 7 6/(.)'3(7.+.6)'+C9/. .5(/.&.-.29((7./);/30.:9/-)'+/1:7(4 1';.1.3(&7 07&/*/6&/4*,-.**3:'3('(7. .*('-'9(7 B96 9*9:9*(9* 2.-9*7/)/66('(7-'&2/08*900.**;./(((/08*'3(7.+-'3(.-'+(7. 7 3. /-09*

9-.6 9*' *,.3(' . :7(' 0/1,/ :3*' 3' /' *(-9::6.' & (7' /' ;/*(' 0'3+.).-/04' '3'(7.' /392.$' 3'(7.'(7 -)'0.3(9-4'/61'*(' .;.-4' ,-'; 30.' /3)' .;.3' (/64' (*.6+' &/*'-/;/:.)' /3)'(7.' ='(7*N' /' 0'1,/-/(;.64' 3.&' 7'-).' &7'' 7/)' &'-8.)'(7. -' &/4' +-'1' 0/3) 3/; /' ('' (7.' 8-/ 3.' *&.,(' (7.M 95 3.' 3' (7'9*/3)*' '+' ;.**.6*N' /3)' 7/-- .)'(7.'('&3*' '+' * /' 86 3'-' /3)' =-..0.' 3'(7.'-. :3'' +' -'29*'(7.'=.-1/3*'0/,(9-.)'/3)', 66/:.)'* 5(4' ('&3*' 3' =/96' /3)' ';.--/3'(7.' &7'6.' ,-'; 30.M' 3'(7.-' +'-1)/26.' --9,('3'('' '8',6/0.' 3'(7.' 1))6.' '+' (7.' +'9-(7' 0.3(9-4' 3'-1'9*'3912.-*' '+' -/38*' 6.1/33 ' /3)' /5'3*' ,/**.)'(7.' 7 3/' ' :-./(',/-(' '+' =/96' &/*' ';.--93' /3)' +'-(4' ('&3*' /6'3:'(7.' 7 3.' &.-.' */08.)N' 30.' 1'-.' (7.' 3;/).-*' &.-.')- ;.3'2/08' & (7'.3'-1'9*'6'**

7.' 3;/* '3*' '+'(7.'(7 -)'/3)'+'9-(7'0.3(9- .*' 3'-.*,.0(' '+' (7.'3912.-*'/3)' 1,.(9'* (4' '+'(7.'/**/ 6/3(*'*..1'('' 9*' 3'&' ('' 7/;.' 2..3' /61'*(' ';.-&7.61 3:' 7.' ='(7 0' 7'*(' '+' (7.' -. :3' '+' 6/9) 9*' *' */)' ('' 7/;.' 3912.-.)' ?[A AAA' 1.3' 7.' =.-1/3*' &7'' *,-./)' ';.-'(7.' &7'6.' '+' =/96' 3'(7.'-. :3' '+' -'79*' 19*(' 7/;.' 2..3' .;.3' 1'-.' 391.-'9*' +' (7/(' .1,.-'-' *6/9:7(.-.)' VAA AAA' '+'(7.1' /*' 7.' *' */)' ('' 7/;.')'3.N' .(' (') '.*' 3'(' /,,./-'(7/(' /(' 0-*.*' *'' /,,/66 3:' (7.' '1/3*' .;.-').*,/ -.)' '+'(7.'*/+.(4' '+'(7.' (/(.' 7.' 6.((.-' '+' -'29*' ('' (7.' .3/(.' ('' &7 07' &.' 7/;.' -.+.--.)' -/(7.-' .5,-.**.*' /3'/61'*(' .592.-/3('0'3+).30.$' 7.' 3;/).-*' 7'&> .;.-' 391.-'9*' /-.' 3;/- /264')- ;.3'2/08' /3)' 3' /'*7'-(' (1.' (7.-.' /-.' +.&' (-/0.*' 6.+(' '+' (7. -' -/;/:.*' 7.' (-9(7'*..1*' ('' 7.'(7/('7'&.;.-'(.-- 26.'(7.',693).- 3:'2/3)*' 1 :7(' 2.' ('' (7.' 93/-1.)',,96/('3'4.(' 3' /' -.:96/-'2/((6.'(7.'=.-1/3*'&.-.' 11.3*.64' 3+.- '-'('' (7.' '1/3'(-'',*' 11 /39*'&7'' 7/)' 2'-3.' /',/-(' 3' 1/34' '+'(7.*.'.3:/:.1.3(*'*/4*'(7/(' 3' *,(.' '+'(7.'0'9-/:.' '+'(7.'=.-1/3*'(7. -' 1,.(9'9*' +9-4' &/*' 3'

' VQF')O ?F' < '%' 0 'L' AA' PD@ DC' ?N@DC')K' FFT L'F N D' QCRQD' @' J)FF)N' L?@CO) D)@

' % DK' 5?FF' ! ' ?, . 'L' B' GW' ! ' (,! 'L' B' f?C' 'H[' WG' ' 5)FFN)@@' ' " . ' '70 <, ' 'OO' I' XX T' V? E)@' ? 'G_

' fOC' ' A' , X2 , !0' L0, B,' *0S 0' 3 5 0,! <"? ;)' *9- B"! ,' 3 !5 '' ! ' (,- ' [' B' H'

' 9F) ' ?O' 0 ' ?' GH' LQN' OD' ?N@DC' J)FF)C' CDLQ ')P) DQ Q

f?C' ' G' W ' ,NN' 1) L' U GA

' % DK' 5?FF' ! ' (,- 'L' H' 9F) ' ?O' ! ' 0 ' ?' G<' 7Q' ?@' MD' L DE K F T' ?' ?O CLQC' !' 5D D ' ? . ' 8 ' 1 ' '$0 'B, [' ' G<[' ')@E' ' AHG' ?@' MD' L) DFDCC@DCC' ?' M C ?)@C' @' ED)F @P' # M' @QNKD C

' 7 ' 0 ' L' G<' ?N@DC' OD@ QC' 0)FF)L' F KD))D' ' ' '))K M' J)FF L)@)' Q)' K) K) C' KQKQC' ' ' ' @?C' D? QN' ?N@)' O?CC EDNQC

1/(07'+'-' (7.' *(./)4')*0 ,6 3.' /3)' 0''63.**' '+' (-'',*' 93).-'
'1/3' '++0.-*M 7.'-.*96(' '+'(7 *' 1'-/6'*9,.-'-(4'+'93).)'
'3' /' 6'3:' (-/) ('3' &/*' (7/(' (7.' '1/3' *'6).-' 3' (7.'
(7-)' /3)' +'9-(7' 0.3(9-.*' &/*'-./)4('+/0.' /61'*(' /34' '))*'
3' ?X@' /3' 11.3*.' 196((9).' '+' (7.' 6.1/33' 393)/(.)'
/*(.-3' =/9 $' B96/3'(7.'+9(9-.' 1,.-'-' &7''&/*' (7.3' /'
1.-.' 4'9(7'& (7'3'',-.;'9*'(-/ 3 3:' 3' (7.'/-(' '+' &/-' &/*' 3'
0'11/3)' '+' '364' !? AAA' 1.3' '+' &7'1'+.&' &.-.' ;.(.-/3'
(-'',*N' .(' 3' /';.-4' *7'-(' (1.' 3'(' /3' .3.14' &/*' 6.+(' 3'
=/96' /3)' (7.' ;0('-*' &.-.' 0/--4 3:' (7.' &/-'+/-' 3('' (7.' 7./-('
'+' =.-1/34M' 7.-.' 19*(' 93)'92(.)64' 7/;.' 2..3' 1907' 6'**'
'+' 6+.' /3)' ,-',.-(4' 3' *'1.' '+' (7.*.' -/)*N' .(' /';.-4'+.&'
4./-*' /+(.-' (7.' -/;/:.*' &7 07' &.-.' 07.08.)' 24' B96/3' (7.'
;/66.4' '+' (7.' '*.66.' *').*0-2.)' ('' 9*' 24' 9*'3 9M' /*' /'
,/-/)*.' &7 07' *7'&*' 3'' (-/0.' '+' (7.' 7/3)' '+' (7.' *,'6.-N'
'1+'-(/26.' :-/3:.*' /3)' 6959-'9*' ;66/*'6''8')'&3'+-'1'.;.-4'
7.:7(' 7.' ;3.4/-)*' -*.' 3' (.--/0.*' /6'3:' (7.' 2/38*' /3)'
(7.' 4.66'&' 0'-3 6/3)*' 0/3' ;.' .;.3' & (7' (7.' +.-(6 (4' '+' (7.'
,'.(<*' 3/(';.' C1(/3.' 7.' ,',96/('3'/-.',-'*,.-'9*' /3)'
7/,,4' 7.-.' *' .;.3' /3' /-' '+' -9*(0'%'66 (4' /3)' :/.(4''; .-'
(7.' *0.3.' +-'1' &7 07' /66' (7'9:7(*' '+' ,/*(' *9++.-3:' '-' 0'1 3:'
)/3:.-'*..1'('' 2.' 2/3*7.)M

+'(7.' */1.' 07/-/0(.-' &.-.' (7.' :-./(' 3;/*'3*' '+' (7.' ',.3>
3:' 4./-*' '+' (7.' + +(7' 0.3(9-4' ':-./(' /-14' 93).-' /)/:/.*9*'
&7 07' /00'-) 3:' ('' (7.' 6'&.*(' .*(1/(.' 3912.-.)' [AA AAA'
1.3' 0-'**.)' (7.' 6,*' /3)' ,.3.(-/(.)' 3('' (-9-/N' 7/(' (7.'
:';.-31.3(' -.:/-).)' (7.')/3:.-' /*' *.-'9*' 1/4' 2.' 3+.--.)'
+-'1' (7.' .)0(' &7 07' 0/66.)' (7.' *6/;.*' ('' /-1*N' .('
(607'' &(7' /'+'-0.' '+' '364' ?A AAA' -.:96/-' (-'',*' /3)' *'1.'
93' /3)' 6/3' /956/-.*MN' * :3/664').+./(.)' (7/(' :-./(' 7'*('
/3)' (7.' ,-*'3.-*' (/8.3' &.-.' *'' 1/34' (7/(' (7.4' &.-.' *'6)'
+'-' /' * 3:6.' ,- -' /, .0.MM' 3' (7.' 2.: 33 3:' '+' (7.' 4./-

' ,NN' 1) L' U ' GA' _' ,FDX
N)@@' ?KQC 'D' LDFC ? DC' N F DC' QCQ'
@ N ?' E?L FDC' FF' D 'D' Q K E 'M'
RQ D 'D' L)@
$ f?I' 'W' * MJU0' < 50' 5,= F'
5,55 5 0!
\' ,NN' 1) L' U ' GA' A' f?C' .
' f?C' ' ' UQ' ')5B!! 05'
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' 1' ' G
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?@' MD' 1?CDFFD' #)C' L?NO?CDE' - ' W_['
' LMD@SF' 5 ?DN' .+
' ,@C?@' 2 ' .' +' GB<
$ 0 ?C' ' H_' e' GW' CDLQ@EQN' D?C'
RQ' O) L CC ND' D D Q@ 'E LD) 'N FFC'
M?N @QN' ' f?C' ' AB' 1) LDFF'
(0
(' ? * ' ' GW' GB
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VA@'$ /' 7'-).' '+' 6/3*' 9.;.*' /3)' /3)/6*' 0-'**.)' (7.'
7 3.'+-'1'&7 07'(7.' :/-- *'3*'7/)'2..3' & (7)-/;1'('' 1..('
(7.')/3:.-' 3' (/64 $' 7.' 3;/).-*' 0/9*.)' :-./('0'3*(.-3/>
('3'/3)'93)'92(.)64' 3+6 0(.)' 1907')/1/:.'/3)'*9++.-3:' 3'
(7.-' ,/**/:.' (7-'9:7' =/96N' E9('(7.')*(-0(*'/3)'0(.*'
&7 07' (7.4' /-.' */)' ('' 7/;.' ,693).-.)' /3)').*(-'4.)' & (7 3'
/' :.3.-/('3' /-.' +'93)' ('' 2.' '30.' 1'-.' +6'9-*7 3:' /3)'
,-'*,.-'9* M

3' (7.'+-/:1.3(/-4'/33/6*''+' (7.'+ +(7'0.3(9-4'(7.-.' *' 3''
:3' (7/('(7.':.3.-/6''+' (7.' 1, -.'+.6('/34'+./-'+'/3'';.->
&7.61 3:'*9,.-'-(4'3' (7.'*)'''+'(7.' 3;/).-*' 3' V[@'
(7.'0(4''+' -6.*'&/*'/(((/08.)'24'/',&.-+96'+'-0.'+'='(7*F
29('(7.4'&.-.'0'1,.66.)'24' .(9*'('-.(-.'&(7'7./;4'
6'**N' &''4./-*'6/(.-'(7.'*/1.':-./(':.3.-/6'-.0';.-.)'(7.'
7 3.6/3)'+-'1'(7.'-/38*N' 3'V?X'7.' 3+6 0(.)'/'0-9*7 3:'
).+./('3'(7.'E9-:93)/3*'/3)'0'1,.66.)'(7.1'('*9.'+'-'
,./0.$' 3'(7.'+'66'& 3:'4./-' ('-9*'(7.'6.9(.3/3('+'
.(9*'24'/'-/,)'1';.1.3('-.6.;.)'(7.'('&3''+' /-2'33.'
&7.3' (' &/*'7/-)' ,-.**.)'24'+/1 3.'/3)'(7.'='(70'/-14'
3)'/6(7'9:7' ('-9*'*''3'/+(.-&/-)*'&/*'(/8.3'0/,(;.'24'(7.'
7/3)*''+'(7.'='(7*'(7.'/33/6*('.5,-.**64'*/4*'(7/(''(' &/*'
(7.'-.*96('+'-.086.**'/12('3'/3)'*9,.-*(('9*'0-.)96(4'3'('
'+'/34'3+.-'-(4''+'+'-0.N' 7.'3;/*'3''+' ((6/'3'VX!'&/*'
,-'2/264'(7.'1'*(',,/66 3:')/3:.-'3'-.*,.0('('(7.'3912.-*'
'+'7*'1'(6.4'7'*('&7 07'(7.' '1/3*'7/)'7/)'('+/0.'+'-'
/:.*N' .(9*'7/)'3'364'/'7/3)+96''+'(-'',*'93).-'7*'0'1 1/3)M'
/3)'/6(7'9:7'7.'&/*'/26.'('-/664'('7*'*9,,'-(' *:'(7*'
-/38*'E9-:93)/3*'/3)' /5'3*'4.('(7.'0-.)('+').+./(3:'
(7/('+.-0.'/3)'0-/+(4',&.-'&7 07'7/)'-.)90.)'/66'0.3(-/6'
9-',.'(';/**6/:.'19*('2.'/&/-).)'('' '1/3')/-3:'/3)

'5 ?CO'(0',L)E?''D'5 ?K?'
?CC''0?C''HH')@E'[
)'F)QE''F''?''AG

Q O@RQD'DN? C'
DULQK C'/M?@QN'C?F? D'?'D'DFQRQQ@
'(,'''0!'4!''A<'OD D D'
?'Q KDC'b''H"'')@E)FLC'PF)E C'
C DN NQ'D'JD LC''''QF N)'OD'
4E NQC''/Q F'-)N)''A_''W['
& D ?@')5'GAW'e'GB
'%M C')OOD) C'?'KD' MD' L)CD'@'
7? ED)QU''QF@'5DFF')-.'A ['?'
AH' ?NO)'D' MD'C)'D'?'/?ND')'D'
MD'C)LS'KT' MD')@E)FC',O?FF' E

)RJ''<
'5 ?CO'(0'%FD?E?C'F')@E'
)FD@'?CC
'1'9DF LD'D'8 ?@TC ?'?CC
'1'%MD?E'U')@E')FD@''?CC
)'1')E')'WI'Q'@C @L?@C ED)@D'
O LDF)@C'@'L)O)DN'@L E CCD'
EQK)@EQN'?D'?Q'O? QK'O)'
L?)'CL KD D Q
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C @D'N F D'EQLD C'/?KQ'@')QU F C'L'
9)Q DF'3 O'AAB

'-:/3 */('3' 3' (7.' 6/*(')/4*' '+' (7.' 3).,.3).30.' '+' 9;.-:3.'/3)' '+'(7.' .*(.-3' 1, -.'/'1.-.'7/3)+96' '+'(-'',*' 93).-' (7.':/66/3(' 0) 0 9*$' /3)'-/*.)' 24'7*' '&3' -.*'9-0.*' 8.,(' (7.' * :'(7 0' /-14'+'-' 1'3(7*' /(' 7/4' /3)' (7.' '1/9' *7'&.)' 3' (7*' + 3/6' *(-9::6.'/3' /61'*(' 0'3(.1,(9'9*' -.08> 6.**3.**

7.' =.-1/3*' (7.3' &.-.' 3'(' *9,.-'-' ('' (7.' '1/3*' 3' 1 6(/-4' *8 66' /3)' 0'9-/:.' '-' &.-.' (7.4' /3 1/(.)' 24'/34' 0'11'3',9-,'*.'-'7/(-.)'+' '1.' '' +/-' +-'1'7/; 3:'/34' 0'11'3',9-,'*.'(7.4' &.-.' 7',.6.**64') ;).)' /1'3:' (7.1> *.6;.*'/3)'&.-./*'+(.3'+'93)'+ :7(3:'+'-'(7.' 1, -.'/*'/:/ 3*(' (' 7.' -/38*'3'(7.' 7 3.'&.-.'07/1, '3*'+' '1.'&7.3'(7.4' &.-.'';.-&7.61.)'24'(7.' 3;/).-*'+'VA@ $' (07''7/)' 6/3' /3)' 93'/95 6/-.*' 3' 7 *' :-./(' 2/((6.'& (7' /)/:/.*9*N' (' &/*'& (7' 93'0/;/6-4'(7/(' .(9*'/3)' ('-9*'*(-';.'('07.08'(7.' /);/30.'+'(7.' * :'(7*' 3' '9(7.-3'=/96$' (' &/*'& (7'(7.' /)'+' * :'(7*' -/38*' /5'3*'/3)' E9-:93) /3*'(7/(' .(9*').+./(.)'(7.'/-14'+' ((6/'3'(7.' /(/6/93 /3',6/ 3*' :/ 3' /3)' /:/ 3' (7.' * :'(7*' +' '96'9*.'6.3(' (7.-'+'-0.*' ('' *9,,'-(' (7.' '1/3',&.-' 3',/ 3'/:/ 3*(' (7.' 9.;.*N' 7.' '1/3*'+' 9;.-:3.'&7.3'(7.4'&.-.').*.-(.)' 3' (*'&./83.** 24'(7.' 1,.- /6' :';.-31.3(' -.0. ;.)' 7.6,'/3)' .30'9-/:.1.3(' 3' (7.-'6/*(' *(-9::6.*' /:/ 3*(' 9-0'+-'1' (7.' E9-:93) /3*N' (' *'06./-'+-'1' (7.*.'+/0(*'(7/(' (7.' 1, -.'&/*'3'(' /3' '2%.0(' '+'7/(-.)'(''(7.'2/-2/-/3*' 3)..)'(7.4'&.-.'+(.3'./:.-'('' 2.'(/8.3' 3(''7.-'*.-;0.F' /3)' 1/34'+'(7.-'07.+*'6 8.' 6/-0' '-' (/96,79*'7/)' 3''7:7.-'/12('3' (7/3' (''2.'/,,'3(.)' (''7:7' 1 6(/-4' 0'11/3)' 3' (7.' '(7.-'7/3)' (7.-.'&/*' /' 0'--.*,'3) 3:'-./) 3.**' '3' (7.' '1/3'*).'(''.1,6'4'2/-> 2/-/3'+'-0.*' 3' &/-' -'1' (7.'./-6.*(')/4*'+' (7.' 1, -.' (7.*.' /95 6/-.*' /,,./-' '3' (7.' /-14' 6*(*' =.-1/3*' /-.' +'93)' 3' (7.' 2')4:9/-)' '+' 9:9*(9*$' 7.4'+'9:7(' 93).-' (.66 9*' 3' (7.'+'-.1'*(' -/38*' /(' (7.' 2/((6.'+' -.1'3/N

' E')5' 'W')LD?' ED @LDO)' L?F' FDP CCD' D' O) C' K@)' OQKF L' DUD L QC')ODL DN' D L' ' L ' J DP' %Q ' 6 ' / ' ' A ' NQF QENDN' J? ' M? Q)' LQN' EDLDN' C' QP)CCD' OD X CD' K Q \' O ?C' ' [' e' H' NQF)DRQ?' LQN' M C')F)D' bPD@ DC"' 9)@L?C' O ? D @ @ ' 9)Q DF' ' f?C' ' ĀB

' 5 ?CO' (0 ')' W_' WI \' E) ' (0 ' N?U' & C N@)C' DU' J? K? QN' %F D?E? LQC' LQN' @PD@ ' DUD L Q' D' LQN' ?FQ@) ?' D' ? E @)X ?@D' , ' NOD) ? C' @P DE Q g' E')5' ' ' %MD' MDFQ' M?#X D D ' #)C' ?' E?QK QF')FQD' M) U' ' ' GB ' QD ' ". ' I ' %)L' 6 ' ' BG

.*,/* /3'7/)'*,.0 /6'0'3+).30.' 3'(7.'6'4/6(4''+'(7.' 9.;.*'/3)'7/)'(&''''+'(7.-'07.+*' 3'7*'*.-;0.$ /-09*' 9-.69*'+'-1.)'*'1.'0'-,*''+'=.-1/3*'+'-'7*'&/-'&(7'(7.-'0'93(-4>1.3''3'(7.' /392.$' 3'(7.'(7-)'0.3(9-4'(7.'(.).304'2.0'1.*'.;.3' 1'-.' 1/-8.)' /6.-/3' 3'/').*,/(07'('' 9-.6/3').*0-2.*'/3'/-14'&707'3069).)'(-'',*+-'1'(9-/./'-/2/'/3)' .*','(/1/'/3)''++0.-*'2./-3:'*907'931*(/8>/26.' =.-1/3' 3/1.*'/*' /-'193)9*' 6)'193)9*'/3)'/6)/:/(.*N' 6/9)9*' '/+(.-'(7.':-./(').+./(' &707'7.'3+60(.)''3'(7.'='(7*M'.3-'66.)'/'6/-:.'3912.-''+'(7.193).-'7*'*(/3)/-)*' -'29*' -.0-9(.)'(7.'+-'3(.-':/--*'3*'&(7'!@ AAA'+-'1'(7.'&-.08''+'(7.':-./('7'*('&707'7/)').;/*(/(.)'=/96N' 7.'/-14''+' '3*(/3(3.' 3'(7.'2/((6.''+'(7.' 6;/3'E-):.'&/*'07.+64'01,'*.)''+'=.-1/3*'/3)' .6(*'/3)'E-('3*N'+'*16/-'01,'*('3'&/*'(7.'/-14'&('&707' 7.')'*9*').+./(.)' 9:.39*'/('(7.' -:)9*$

'1.''+'(7.*.'2/-2/-/3'(-'',*''8'*.-;0.';'693(/-64'93).-'/3'.5,-.**'/:-..1.3('*(/(3:'(7.'07')('3*''3'&707'(7.4'*.-;.)' (7.-*'&.-.'01,.66.)''('%'3'(7.'*(/3)/-)*'/*'(7.'-.*96('+').+./('3'2/((6.N' '1.''+'(7.1'-.0.;.)'-.:96/-',/4'/3)'-/('3*F''(7.-*'-.0.;.)':-/3(*'+'6/3)'&707'&.-.'7.6)''3'0'3)('3''+'16(/-4'*.-;0.'/3)'&707',/**.)''('(7.-'*'3*''3'(7.'*/1.'0'3)('3$' ',/:.''+'(7.' '((/'0'3(/3*'/6*('+'1'-.'(7/3'(&.3(4'0'-,*''+'(7.*.'16(/-4'0'6'3*(*'93).-'(7.'3/1.' /-1/(/.'=.3(6.*'&7''&.-.'*.((6.)'/('; /-'9*',6/0.*'+-'1'E-9((91'('(7.' 6,*MN' 16/-'=.-1/3'0'-,*'93).-'(7.'3/1.''+' /.('7/)'6/3)*'/**:.3)''('(7.1'3'/61'*('.;.-4',/-('+'=/96' 7.'=/66'E'1/3','96/('3'7/)'2..3'6'3:'/009*('1.)'('(7.'-.*).30.''+'(7.*.'2/3)*''3'(7.-*'6' E/(/;'/-.'+'93)'/(' --/*'F -/38*'/(' .33.*F' 9.;.*'/(' '9(/30.*' /3*'E/4.95'/3)' 9;.-:3.F /-1/(/3*'/(

'%)L'6 ' '<
'VQF')O ?F'! ' ' 0 '?'AG'DN ')' JD N)@? QN')QU F)'L?@) JD@@)@?C
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096(;/(.)' (7.' 3(1/04' '+' 1/34' '+' (7.*.' 2/-2/- /3' 07 .+*' /3)' '3.' '+' 7 *' ,-30 ,/6' 6 .9(.3/3(*' ')/-.*$' &7'' -'*.' ('' 2.' 1/: *(.-' 1 6 (91 '&/*' '+' 04(7 /3').*0.3(' 3'(7.-'2/-2/- /3' '++0.-' &7'' 2'-.' /' :-./(' ,/-(' 3' (7.' .;.3(*' '+' (7/(' ,.-')' &/*' 07'1.-N' *'0/-..-' '+' &707' &.' ,'**.**' +966').(/ 6*' *' /' :'')' 669*(-/('3' '+' (7.' :-./(' ,'*('3' &707' 1.3' '+' 7 *' 3/('3/6 (4' 0'96)' /(((/ 3' 93).-'(7.' 6/(.-' .1,.-'-*' 07'1.-' &/*' /' -/38' '+' 7 :7' 2-(7' /3)' +-*(' /,,./-*' /*' 0'93(' '+' (7.')'1.*(0*' 3' (7.' -.:3' '+' =-/(/3' .' &/*' *.3(' 3('' 7-/0.')9-3:' (7.' (-'926.*' & (7' (7.' ='(7*' ('' *9,,'-(' (7.' 1,.-'-' /6.3*' /3)' *7'-(64' /+(.-&/-)*' &/*' -/*.)' ('' (7.' ,'*(' '+' 1/: *(.-' 1 6 (91 ' +(.-' /' ,.-')' '+' *.-;0.' 3' (7.' /*(')9-3:' &707' 7.' +'-1.)' /' 06'*.' +-.3)*7 ,' &(7' 2/3 *' 7.' &/*' .1,6'4.)' 24' 7.')'* 9*' 3' 7 :7' 0'11/3)'' 3' (7.' 0/1> ,/ :3' /:/ 3*(' /5 19*' .' 7/)' :-./(' 3+69.30.' 3' (7.' 1,.-/6' 0'93*.6*' /3)' 6 ;.)' '3' (.-1*' '+' 3(1/04' & (7' 411/079*' /3)' 7 *' 0-06.' 3'(7.-' -/38' 07 .+' E/9(' N' (7.' +/(7.-' '+' (7.' 1,-.**' 9)'5/' *' */)' ('' 7/;.' & .6).)' /3' /61'*(' -.:/6' ,'&.-' 93).-' (7.' 4'93:.-' /6.3(3 /3' /3)' 7 *' .6.;/('3' ('' (7g' 0'3*96*7 ,' 3' (7.' */1.' 4./-' & (7' (7.' 1,.-'-' -0/) 9*' &/*' 0.6.2-/(.)' 3' /' ,/3.:4-0' 24' ' 9:9*(3.M' .' 7/;.' (/8.3' /' +.&' '+' (7.' 1'-.' *(-8 3:' .5/1,6.*' '+' (7.' -*.' '+' 2/-2/-/3*(''0'11/3) 3:',' *('3*' (7.-'3/1.*'*907' /*' -/;(((/' =/3/*' .-'2/9).*' (607'' & 66' '009-'-./) 64' (''/34' ,.-*'3' 1').-/(.64' &.66' -./)' 3' (7.' 7 *('-4' '+' (7.' '&.-' 1,-.' '&' 1/34' 1'-.' 1/4' 7/;.')*:9*.)' (7.-'3/('3> /6 (4' 93).-' '1/3' 3/1.*' 3'' '3.' 0/3' (.66N' E9(' =.-1/3' 07 .+*' 3'(' '364' '2(/3.)' (7.' :-./(' 1 6 (/-4' 0'11/3)*' (7.4' /6*'' -'*.' ('' (7.' 0'3*96*7 ,' (7.' 7 :7.*(' 0 ;' 7'3'9-' &707' (7.' 1,.-'-' 7/)' (''2.*('&' /:.6/.,79*'N' /3)' .-'2/9).*' &.-.' 0'66./:9.*' '+' =-/(/3' 3' (7*' :-./(' '++0.' 3' (7.' -.:3' '+' 7.')'* 9*' .-'2/9).*' 07'1.-' /3)' E/9('&.-.' 0'3*96*' 3' *900.** ;.' 4./-*' /3)' /(' 6./*(' + ;.' 1'-.' =.-1/3' 3/1.*' /,,./-

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+6' ') .)' (7 .' 0' 3(-4') *(- 0(*' & (7' 3 .&' (66 .-*' '+' (7 .' *' 6$' 3' ($.' & ' -)*' '+' -'29*' (7 .' 2/-2/- /3*' & .-.' ,6' 9 :7 3 :' /3)' *' & 3 :' +'-' ' 1 /3' 1 /*(.-* N' 7 .' ; 0(' - .*' '+' B96 /3 '=-/(/3' 7 .')' * 9*' /3)' (6 07' ' /66' : / 3 .)' & (7 3' /' , .- ')' ' '+ + +(4' 4 ./-*' -.0-9 (.)' *(66' +9-(7 .-' (7 .' -/38*' '+' -9-/6' 6/2' 9- N

I (' /, , ./-*' (7 .3' (7 /(' (7 .-.' &/*' 3' (7 3 :' 3 .&' 3' (7 .' 7' *(6 .' -/)*' '-' , ./0 .+96' *.((6 . 1 .3(' ' +' (7 .' 2/-2/- /3*' ' 3' ' 1 /3' (.-- (' -4' 3' (7 .' + +(7' 0 .3(9-4' ' -' 1 '-.' (7 /3' + ;.' 793)-.)' 4 ./-*' (7 .' 1 , -.' 7 /)' 2 . .3' -.* *(3 :' (7 .' , -.**9-.' '+' 2/-2/- * 1 ' '00/* '3> /664' *9++ .- 3 :' 7 . / ; 64' +' -' /' (1 .' 29(' /6& /4*' 3' (7 .' 3)' (- 9 1 , 7 /3(' ' ; .-' 1 .-.' +' -0.' .(' ./07' *900.** ;.' ; 0(' -4' 7 /)' /) 1 ((.)' 3' 30-./* 3 :' 3912 .-*' (7 .' 2/-2/- /3' .6 . 1 .3(' 3(' ' (7 .' +-' 3(. -' , ' *(*' (7 .' /-1 .*' '-' (7 .' + .6)*' /3)' 7' 9*.7' 6)*' '+' ' 1 .' 7 .' 7 :7 .*(' 1 6 (/-4' 0' 1 1 /3)*' 7/)' +' -' :.3 .-/(' 3*' 2 . .3' 7 .6)' 24' = .-1 /3' *' 6) .-*' '+' +' -(93 .' & 7' ' *.-; .)' (7 .' (/(.' 6' 4 /664' .; .3' /: / 3*(' (7 . -' 8 3*1 .3' ' ' 1 /3' & 7' ' 7/)' 3' 7 *' 4' 9(7' *. .3' (7 .' 6 . 1 /33')- ; .3' /0-' **' (7 .' 7 3 .' /3)' (7' 9*/3)*' '+' = .-1 /3*' *.-; 3 :' 93) .-' (7 .' ./ :6 .*' 3' (/64' & 7' ' 7/)' +' 93)' 3' 07' 1 .-' E/9(' ' '-' (07' ' 7 *' 1 '*(' 07/ 1 3 :' /3)') *> (3 :9 *7 .)' +- . ,)*' /3)' 7/)' *. .3' -/38' 1 /*(.-*' '+' (7 .' 0/; /6-4' *7/- 3 :' (7 .' 7' 3' 9-*' '+' (7 .' 0' 3*96*7 ,' & (7' (7 .' 1 , .-'-' 1 :7(' .; .3' /+(.-' (7 .' *0 .3 .*' '+' V ! A' 7/; .' *1 6.)' /(' (7 .' *9 : : .*(' 3' (7/(' (7 .' 1 , -.' & /*' 3' /34' *.- ' 9*')/3 : .-' +-' 1' (7 .' = .-1 /3*

'-' & .-.' (7 .' 3; /* ' 3*' '+' (7 .' + -*(') .0/) .' '+' (7 .' + +(7' 0 .3> (9-4' '+' *907' /' 93 +' -1' /3)' *& . . , 3 :' 07/-/0(.-' /*' (' ' *9 : : .*(' .; .3' (' ' (7' *.' & 7' ' & (3 .**.)' /3)' *9++ .-)' +-' 1' (7 .1' /' * 3 :6 .' ' ; .-& 7 .6 1 3 :' 1 ' ; . 1 .3(' /3 1 /(.)' 24' 3 .' *, - (' /3)' /) ; /30 3 :' (' ' 3 .' . 3)' 7 .' 3912 .-*' '+' (7 .' 3; /) .-*') ' ' 3' (' /, , ./-' (' 7/; .' /, , -' /07 .)' (7 .' 1 :7(4' 7' *(*' & 7' ' & .-.') .+ ./(.)' 24' 6/9) 9*' /3)' -' 29*' 3' (7 .' (7 -)' 0 .3(9-4 M' ' 7 .' +' -0.*' '+' (/96, 79*' 1 /4' 7/; .' 7/-)64' .50 . .) .)' [A AAA' '-' ?A AAA' 1 .3 N' 7 .' E9-:93) /3' 3; /) .-*' '+' =/96' &.-.' -.08' 3 .)' /(' "A AAA N' 7 .' . 3(-.' /3)/6' 7' -) .' 4' 93 :' /3)' ' 6)' *6/; .*' /3)' +-. .' ' 364' /1' 93(.)' (' ' (7 .' */1 .' 3912 .-$' 7 .' -/38' &/-- ' -*' 93) .-

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' 8D' ?QF)QPDC' 8 * ! ' " ' O' W $ 0 ?C' ' WA' e' GG' ' 9)Q DF' ' GA[' M @SC' M C' NQLM' DU)PPD) DE
' ' ' D@C' ' RQ' DOD ' CQ@' CD@DC' YQ D@DC' O) QF ' CD ' DF E?N @ ' ?L ?P @)' N FF)' @Q@D)

6 ' ; * ')) ' 3 ' (' 3 9 1 2 . - ' 1 ' - . ' (7 / 3 ' @ A A A ' 1 . 3 ' ' - . ' ; . - ' / * ' & / * ' , ' 3 (.) ' ' 9 (' 6 ' 3 : ' / : ' ' 2 4 ' / ' : - . / (' / 9 (7 ' - (4 ' (7 . ' * ' ' 0 / 6 6 .) ' 3 ; / * ' 3 * ' & . - . ' . ; . 3 (* ' . * * . 3 (/ 6 6 4 ' , / - (/ 6 ' 6 ' 0 / 6 ' (. 1 > , ' - / - 4 $ ' . ' 1 / 4 ' /)) ' (7 / (' (7 . - . ' & / * ' / ' : - . / (' ; / - . (4 ' 3 ' (7 . - ' , 9 - , ' * . ' / 3) ' 0 7 / - / 0 (. - ' ' 1 . (1 . * ' / ' 2 / 3) ' ' + ' 3 ' ' : - . / (' 3 9 1 2 . - * ' 2 . 3 (' & 7 ' 6 6 4 ' ' 3 ' , 6 9 3) . - N ' & 6 6 ' 0 ' 1 . ') ' & 3 ' ' 3 ' / ' 0 ' 9 3 (- 4 *) . ' / 3) ' 0 / - - 4 ' ' + + ' (7 . ' 0 / ((6 . ' / 3) ' , . / * / 3 (* ' + - ' 1 ' (7 . ' + . 6) * ' ' - ' . + + . 0 (' / * (. / 6 (7 4 ' . 3 (- / 3 0 . ' 3 (' ' / 3 ' 9 3 : 9 / -) .) ' (' & 3 N ' ' 1 . (1 . * ' 3 ' : - . / (. - ' 1 / * * . * ' * & . 6 6 3 : ' , . - 7 / , * ' (' ' (. 3 * ' ' + ' (7 ' 9 * / 3) * ' (7 . 4 ' & 6 6 ' * & . . , ' / 0 - ' * * ' / ' & 7 ' 6 . ' , - ' ; 3 0 . ' 0 / , (9 - 3 : ' 0 (. * ' / 3) ' , 6 - 1) . - 3 : ' / 3) ' 2 9 - 3 3 : ' (7 . ' + / - 1 * ' / 3) ' 0 ' 9 3 (- 4 ' 7 ' 9 * . * ' - ' / : / 3 ' 3 ' (7 . ' + ' - 1 ' ' + ' / ' - . : 9 6 / - ' / - 1 4 ' 0 6 / 1 3 : ' (' ' 2 . ' + .) . - / (.) ' * ' 6) . - * ' ' + ' (7 . ' 1 , - . ' (7 . 4 ' & 6 6 ' C 9 / - (. - ' (7 . 1 * . 6 ; . * ' ' 3 ' / ' , - ' ; 3 0 . ' / 3) ') - / & ' + - ' 1 ' (* ' - . ; . 3 9 . * ' (7 . ' - / (' 3 * ' / 3) ' , / 4 ' & 7 0 7 ' & . - ' / * * : 3 .) ' (' ' (7 . ' - . : 9 6 / - ' * ' 6) . - * ' ' + ' ' 1 . ' - ' ' 3 0 . ' 1 ' - . ' (7 . 4 ' 0 ' 1 . ' & (7 ' (7 . ' . 5 , - . * * ' , . - 1 * * ' 3 ' / 3) ' * / 3 0 (' 3 ' ' + ' (7 . ' 1 , . - ' - ' / * ' , . - 1 / 3 . 3 (' * . ((6 . - * ' 3 ' ' 1 / 3 ' * ' 6 M ' (7 . - ' 0 7 . + ') . . 1 3 : ' 7 1 * . 6 + ' / (' + - * (' / ' 1 6 (/ - 4 ' ' + + 0 / 6 ' ' + ' (7 . ' ' 1 / 3 ' : ' ; . - 3 > 1 . 3 (' / 3) ' / * ' (7 . ' ' 1 / 3 ' /) 1 3 * (- / (' 3 ' + / 6 6 * ' (' ' , . 0 . * ' (/ 8 3 : ' 3 (' ' 7 * ' 7 / 3) * ' / 6 * ' ' (7 . ' 0 ' 3 (- ' 6 ' + ' (7 . ' 0 ; 6 ' , ' & . - % ' 0 ' 6 6 . 0 (3 : ' (7 . ' (/ 5 . * ') . / 6 3 : ' ' 9 (' % 9 * (0 . ' / , , ' 3 (3 : ' ' + + 0 / 6 * N ' 0 ' 1 2 3 3 : ' 3 ' + / 0 (' (7 . ' ' + + 0 . * ' ' + ' , - . + . 0 (' / 3) ' 1 / * (. - ' ' + ' (7 . ' 1 6 (/ - 4 ' + ' - 0 . * ' ' ' / 6 6 ' (7 . * . ' ; / - . (. * ' ' + ' - . 6 / (' 3 ' & (7 ' ' 1 . ' 1 9 * (' 2 . ' /)) .) ' (7 . ' &) . * (') + + . - . 3 0 . * ' ' + ' - . 6 : ' 9 * ' 2 . 6 . + ' / 1 ' 3 : ' (7 . ' 3 ; /) . - * ' ' ' 1 . ' 6 8 . ' (7 . ' - / 3 8 * ' (7 . ' / 5 ' 3 * ' ' - ' (7 . ' 9 3 * ' ' 3 ' (7 . - ' + - * (' / , , . / - / 3 0 . ' & . - . ' * (6 6 ' , / : / 3 N ' ' 3 9 1 2 . - ' ' + ' (- 2 . * ' * 9 0 7 ' / * ' (7 . ' / 3) / 6 * ' (7 . ' E 9 - : 9 3) / 3 * ' (7 . ' * : ' (7 * ' ' - ' (7 . ' 9 : ' & . - . ' - / 3 * ' / 3) ' / 1 ' 3 : ' (7 . * . ' (7 . - . ' & . - . ' ; / - ' 9 * ') . : - . * ' ' + ' 2 : ' (- 4 ' * ' 1 . ' 6 8 . ' (7 . ' E 9 - : 9 3) / 3 * N ' 2 . 3 : ' 0 ' 1 , / - / (; . 6 4 ' (' 6 . - / 3 (' & 7 6 . ' ' (7 . - * ' & . - . ' 3 * , - .) ' & (7 ' / ') . (. - 1 3 .) ' 7 ' * (6 (4 ' (' ' (7 .

0 Q] ? ' (! ' . ' / , . ' ' A W _ \ ' . Q P O O ' ! ' ' ' ' ! ' L ' ' ' L ' U U ' R Q) ' @ ? ? D ' & D Q F ' @ C O D) D ' O ? @ Q C ' @ Q D @ D C ' O ? C ' ' W ' e ' W ' 5 ? C O ' (O ') ' G I ' ? @ C) Q Q C ' O) L D N ' N) ' L Q N ' 6) F F) ' E) ') ' D ') E ' M) K) @ E Q N ' C D L Q @ E) ' , R Q) @) ' E) ' (O ') ' G I ' O D ' ? @)) @ Q N ') E ' J) F F) C ' D ? ?) ' C D E D C ' @ ' , R Q) @ L) ' ' ' ') L L D O L Q @ ' E ') 5 ' ' B ' # F D D ' M D ' 7 Q P Q @ X E) @ ' F F D L ') ' E D C L K D E ') C ' @) C D ' @ F Q N ' J D P ' % Q ' ' / ' ' A [' . @ L M ' Q) ') Q D N ' J ? F ? Q N ' D U ' L

? Q N ' E Q L D N ' C Q O D ' C D O D N ' L) D C ' O) D O ? C Q ' O ' E ') 5 ' ' G _) F ' ' ? 1 ' 4 ' ' B _ ' H G ' . Q P O O ' ! ' ' ' ' . ! ' L ' ' ' ' O D C ' ' W A ' b @ ' G H " C O D) S C ' ? ' M D ' 7 Q P N E) @ C ') C K ? Q @ E ' ? ' M D ' / ? N) @ C ' @ ' M D ') M ? F L ') M ' , @ E ' 7 C M ? O ') D @ C ' C) E ' ? ' K ? ' @ ') ? Q ' # M ' M F O D L) @ E ' M C ' R Q D D @ ' E ') 5 ' ' G A ' e ' W ' 7 Q ' @ ' M D ' N D ' ? ' , T Q C ' ' C ' L F D) ' M) ' N D N X K D C ' ? ' M D ' ? T) F ') N F T ' # ? D ' ,) @ ' b ' , N O D ' 6 ' 8 ' ' A [A " ') @ E ' M D ' O D ? O F D ' # D D ' O ? K) K F T ' E E D E ' ' J D P ' % Q ' ' H A ' E D C L K D C ' M D ' O D ? O F D ') C ' ,) @

& , 5 ' G ?) &) $ 8 (6 $ (*) $ " / * 6) & 7 ' " & ' A<G

& 7 / (' + (7 . - ' 6) (/ * (. ' + ' - -/ , 3 . / 3) ; ' 6 . 30 . / 3) . ; . 3 (' ' ++ . - / + (+96 , - ' (. 0 (' 3 (' ' (7 . 7 / - / ** .) , - ' ; 30 / 6 * $ E 9 ((7 . , - ' ; 30 . & / * 0 ' 3 * (/ 3 (64 ' ; . --93 24 ' (7 . - 2 / 3) * 93) . - ; / - ' 9 * 3 / 1 . * $ 6 . 1 / 33 . - 96 7 ' - 3 : * 0 ' 9 - 3 : (7 . 0 ' 93 (- 4 3 * . / - 07 ' + ,693) . - / 3) * . 0 3 : (7 . - , - . 4 1 ' - . ' + (. 3 24 ' * (- / (/ : . 1 / 3) * 9 - , - * . (7 / 3 24 ' , . 3 + ' - 0 . . - . ' 3 . * . . * / * (& . - . 3 1 3 / (9 - . / 3) ' 3 / 0 ' 3 + 3 .) * 0 . 3 . 1 / 34 ' + (7 ' * . ; / - . (. * ' + (- 2 / 6 07 / - / 0 (. - / 3) 1 / 34 ' + (7 ' * .) ++ . - . 3 (1 , 96 * . * / 3) 1 ') . * ' + /(((/ 08 & 7 07 1 / 4 2 . ' 2 * . - ; .) 3 (7 . &) . - + . 6) ' + (7 . & 7 ' 6 . . * (. - 3 & ' - 6)

(+ ' 66 ' & * + - ' 1 (7 . * . 0 ' 3 *) . - / (' 3 * (7 / ((7 . , . - ') ' + (7 . 3 ; / * ' 3 * , - . * . 3 (* / 1 / ** ' + 0 ' 1 , 6 . 5 , 7 . 3 ' 1 . 3 / ' (' & 7 07 3 ' * 3 : 6 . 0 ' 1 , - . 7 . 3 * ; . + ' - 1 96 / & 66 / , , 64 . 1 / 4 . 5 , . 0 (/ 6 * ' (' + 3) / : - . / (; / - . (4 ' + + . . 6 3 : / 3) ' , 3 ' 3 / 1 ' 3 : 0 ' 3 (. 1 , ' - / - 4 ' 2 * . - ; . - * / * (' (7 . 07 / - / 0 (. - ' + (7 . 3 ; / * ' 3 * (7 . + / (. ' + (7 . 1 , - . / 3) (* + 9 (9 - . - . 6 / (' 3 * (' (7 . 2 / - 2 / - / 3 3 (- 9) . - * 7 . 1 / 3 & 7 ' 7 / * 6 ' * (. ; . - % 7 3 : 3 (7 . * / 08 ' + 7 * (' & 3 / 3) & 7 ' * . - . 6 / (; . * 7 / ; . 2 . . 3 0 / - - .) 3 (' * 6 / ; . - 4 24 ' (7 . - /) . - * & 66 (/ 8 . / ; . - 4) ++ . - . 3 (; . & ' + (7 . 3 ; / * ' 3 + - ' 1 (7 . : - . / (3 ' 26 . (7 . & / 66 * ' + & 7 ' * . 0 / * (6 . , - ' (. 0 (7 1 + - ' 1 & / 3) . - 3 : 2 / 3) * / 3) & 7 ' 6 ; . * ' 3 : ' ') (. - 1 * & (7 (7 . 3 . : 72 ' 9 - 3 : 07 . + 7 . 79-071 / 3 3 & 7 ' 1 ' 1 / 3 , -) . / 3) , / (- ' (* 1 7 / ; . 2 . . 3 & . / 8 . 3 .) 24 . 3 (79 * / * (0) . ; ' (' 3 (' ' (7 . / * 0 . (0) . / 6 & 66 3 ' (. 3 (. - (/ 3 (7 . + / (7 3 (7 . 1 ** ' 3 / 3)) . * (34 ' + 1 , . - / 6 ' 1 . & 7 07 * / 3 3 . - /) 0 / 26 . 3 * (30 (' + (7 . 3 ' 26 . * / (9 - / (.) & (7 (7 . 7 * (' - 0 * , - (' + (7 / (: - . / (' - : / 3 * / (' 3 / 3) * (66 , / : / 3 3 * . 3 (1 . 3 (+ 3 ' (3 ' 9 (& / -) , - ' + . ** ' 3 . * 7 / 66 3 ' & 1 / 8 . / 3 / ((. 1 , ((' /* 0 . - (/ 3 (7 . + . . 6 3 : * ' + * ' 1 . ' + (7 ' * . & 7 ' & (3 . ** .) (7 . : - . / (0 / 6 / 1 (. * / 3) 07 / 3 : . * ' + (7 / ((1 .

G . QP OO @ ' ' ' . ! ' CU ' UUU ' 9DFD MDQC O ?N CDC ?' O ? DL ' MD / ?N) @C) P) @C ' MD) EC ? ' MD , FDN) @@ ') @E %M? @P
A 1 ' UU ' ' U ' U ' U U

' (.' ./-64' 4./-*' '+' (7.' ++(7' 0.3(9-4' (7.' -91'9-*' '+' (7.' 1';.1.3(*' '+' 6/-0'/3)' /):/.*9*'0-./(.)'(7.'6;.6.*('/6/-1' 3' (/64' ;.3' 3' (7.' 3'26.',.'1' 3' &707' 6/9)/3'0.6.> 2-/(.*' (7.'(-91,7' '+' (607''+9665/*' (' *' '+' (7.',.(<*'+/(7' 3' '1.'&.'*..1'('+..6' (7.'(7-66' '+' (.--'-' &707'933.-;.)' /'29(' (7.'2-/;.*(' 3'(7.',-.;'9*'4./-' 7.'-.,/-' '+' (7.' &/66*' '+' (7.'0(4'24' (607'$'011.1'-/(.)' 3' 3*0-,('3*' &707'/-.'.5(/3('&/*' (7.'*:3/6+'-' /3' '9(2-./8' '+' *9,.-> *(('9*' (.--'-' &707'0/--.*'9*'2/08' ('(7.'./-64')/4*' '+' (7.' L.,9260' 66'(7.'6)'1.3*' &707',-(.3).)')*/*(.-'&.-.' -.,'-(.)'NG)-./1*'.06,*.*'0/9*.6.**'0'3+6/:-/('3*'*7'&.-*' '+' *('3.*'/'0'1.('*7''(3:'+-'1'(7./*(.-3'7./;.3*'('(7.' C9/-(.-'+-'1'&707'(7.'='(70'7'-).*' 7/)' **9.)' 907'&/*' (7.'(.--'-' (7/(')'92(*' .;.3'/-'*.'&7.(7.-' '1.'7/)'3'(' -./07.)' 7.-'+/(.)'(.-1' 7.'/9:9-/6'.5,6/3/('3'' '+' (7.' (&.6;.';96(9-.*'&707' '1969*' 7/)'*..3'/(' 7.-'+'93)/('3'N &/*' -.0/66.)' /3)' (7.'+./-*' '$'1/34'263).)'(7.1'('(7.' +/0(' (7/(' '+' (7.'(&.6;.'0.3(9-.*' ,-.+:9-.)' 24' (7.'2-)*' (7.'6/*(' 7/)' '364'7/6+'-93' (*'0'9-*.M' /34' '+' (7.'&./6(74' 06/**' *'9:7(',6/0.*' '+' *.09-(4'3' '-*0/' /-)3/'/3)' (7.' *6/3)*' '++' (7.' (-9*0/3' 0'/*(N' /4' +' 6/9)/3' 1/4' 2.

G (8' ' GGHH GGI[' F LM?C' @)ND' C'D)CDE' ?N' MD' @CL ' GGI[

$ F)QE' ' F ' " ' AA_' XX

$3 ' '

' F)QE' _' F ' " ' AB<

Q@L' DOQ)@')@@?C' @ ? LDO ?R@D' ?F) Q %Q4Q)' @L EQ@' O ?OL) C'C)LLQF)' ND C

' ' AG_'

Y) N' Y) N' L?@CLD@ED D' OQOODC') E??CRQD' M)K) D' CFNN'?' @M?)d)' T @F))U)'O))) NRQD' D ?')OQN)@)' QQ ' /Q F'-)N) ' ' WA_' ' VD ?ND' # X @P')??Q ' M C' ND' I)5' GAH' e' "'C)TD' @ &F)'DC ' LP ?RQ)?'@?@'DUQFDC' /?N)@?C' M)KD)

2.6 .;.)𝕁𝕎(7.-. &.-. .;.3 (7'9:7(* '+ -.1';3: (7. *./('+ :';.-31.3(+-'1 (/64('= /96 /34/3 .)0('+(7.*. 4./-*$0'3+-1* (7. (.*(1'34' '+(7. ,'.((7/((7. /3)/6 /);.3(9-. &7''7/)-*.3('2./0,(/3'+(7. '1/3/-1.* *.(/3 .5/1,6. '+7 :70'9-/:. /3) *(./)+/*(3.** ('(7.) .> :.3.-/(.3'26.* &7'' &.-. -./)4('/2/3)'3& (7'9(/* *(-9::6. (7. ;.3.-/26.*./('+'-).-/3)0 ;6*/('3/((7.+-*(*:3'+)/3:.- .((' &'96))/,,./-(7/((7. ,/30))3'(6/*(6'3: 7.2.7/;'9-'+/66 ,/-(.* 3(7.+-9 (6.** 3.:'(/('3* &707 ,-.0.).)'(7.+3/6 -9,(9-. &(7 6/-0 /3)(7.*/08'+ '1. *7'&/'-.1/-8/26.'0'3+).30.. (7.- 3'(7.*(-.3:(7''+(7. 1, -.' '- 3'(7.1').-/('3'+(7.='(70 007 .+ 3'(7.'3.7/3) (7.:';.-31.3(/(/;.33/-.%.0(.)7 * *900.** ;.'++.-* '+ +-.3)*7 ,/3)'*9,,'-(N 3'(7.''(7.-7/3)'(7. '1/3 .3/(. /0C9 .*0.)3'7 *(.39-.'+(7.''++0.''+1/:*(.-1 6(91'93).- ((/3*'(7. 1,.-'-&7'1'24'7 *'-).-* (7.40-./(.)M E'(7' (7.*0'-3+96 -.%.0('3'/3)'(7./*4'/00.,(/30.''+7 *06/ 1*'*7'& (7/('/+(.-(7.+-*(1'1.3(*'+/6/-1 6/-0 &/*3'(-.:/-).)' /*/7/6+*/;/:. 3;/).-'(7.+'.''+(7. '1/3 3/1.'/3)'+ 0 ;6*/('3 .'&/*/+(.-'/66 /7-*(/3N .'7/)*.-;.)' /*/3'++0.-'+ 7.')'*9*3'(7.0/1,/:3'/:/3*(9:.39*N ('*(-9.'(7/((7. 1/-*7.*'+ /;.33/('&707 3'(7.+-*(/6/-1'(7.*./('+:';.-31.3(7/)2..3'-.1';.)'+-'1 6/3&/*/*.09-.'-.+9:.'+'-'3'-9*/3)'7*'0'9-(3)' (*'/6*''(-9.'(7/((7. .3/(.'1/4'7/;.'+.6((*/+.-('0'1.' ('(.-1*& (7'(7.1/3'&7''7/)'(7.*9,,6.*'+ '1.'/(7*1.-04' ('3'3.(7.-*).'/-.'(7.-.'(7.*:3*'+(7/(,-/64**'+ (.--'-&707*.0.)'(7.9,,.-06/**.*'3'(7.+-/(3.&*'+(7./,,-'/07'+'(7.='(7* E9(3'V!A'&7.3'/+(.-'(7.+/69-.'+/66 3.:'(/('3*'(7.0(4'7/)'/(6/*(+/66.3'/,-.4('(7./-14'+6/-0'.;.-4(73:' &/*07/3:.)' :7(793)-.)'4./-*7/)',/**.)'*30.'1.'7/)' 2..3;'6/(.)'24'(7.=/96*'+E-.339*' 3'*,(.''+/66(-'926.* '3'(7.+-'3(.-*'3'*,(.''+(7./6/-1*'+(7.:-./(3;/*'3*'+ (7.*.0'3)'(7-)'/3)'+'9-(7'0.3(9-.*'(7.*/0-.)'0.3(-.'+ G F)QE' 'F '" 'AIB')@E'WG<' N P)@ CRQD' QP)N'L?NODCLQ')QF)D A('* 'A['GA' 'GW'GH 'f?C' 'HB '1' 'B' _' '250!33,'''''',!' !'-B5'0*',=EOU?' BL! !'''' ('K')''<S <!',5,52,',15 !' B,5=!.,' "#$ %" &#! 50?)' 'WI'e'G',QP' '(!'4 ' ' f?C' '<' ?? 'G[',=EOU?C' ''%F'W? ='G0'=3' '(' L)E)!2!0!' *!55!0!' !1M505',!9%# L,,';%=

:';.-31.3(7/) 3.;.- -./6*.) (7. ,'** 26(4 (7/(' 7.-' '&3 *(/(.64' *.09-(4'&'96)'.;.-' 2.')*(9-2.)$ '(' '364' 7/)'/66 (-9.'*'3*' + '1.'/'-.6:'9*'+/(7' 3'7.-'1**'3'/3)').*(34' 29(' (7.4' 7/)':'')'-./*'3'('' -.64' '3'(7.'/&.'&707'*7.' 3> *,-.)' 3'(7.'2/-2/-'9*'-/0.*'&7''-/3:.)'/-'93)'7.-'+-'3(.-*N 7.-.'*..1.)'/3'/61'*(' 3+3(.')*(/30.'2.(&..3'(7.',693).-' '+',-'; 30.*'&707'&/*'*''0'3*(/3(64'/3)'*''-/,)64'/;.3:.)'/3)' (7.' ;'6/('3' '+'(7.'7./-(' /3)'*./(' '+' '1/3',' &.-' E9(' 3'&'(7.'*,.66' &/*' 2-'8.3F (7.'14*(.-4'/3)'/&.'&707' *9--'93).)'(7.':-./(' 0(4'7/)'2..3',.-0.)'/3)'*.(' /('3'9:7(' 7.'1'-/6'+'-0.'*''1907'1'-.'1',-(/3(' 3':';.-31.3(' (7/3' (7.'1/(.-/6'7/)'2..3'&./8.3.)'/3)').*.0-/(.)' 7.'*7'08' :;.3'24'(7*':-./(' 0/(/*(-',7.'('' '6)' '1/3'0'3+).30.'/3)' ,-).'19*('+'-'(7.'(1.'7/;.'2..3''';.-&7.61 3:' .('+-'1'/' (7/(',-'9)'/-*('0-/04'1.3''+'6.((.-*'/3)'/++/-*'7/-)64'/'&'-)' 7/*'0'1.')'&3'('(.66'9*'&7/(' (7.4'+.6(' 3'(7.'&-.08''+'1/(.-/6 +'-(93.'/3)',/(-'(0' 669*'3*N .'0/3'364'0'3%.0(9-.'(7.-' +..6 3:*'3'(7.'.;.3(*'+'(7.'(1.'+-'1'(7.'&'-)*'+' 'B.-'1.' ,.33.)' 3'7*0.66'/(' E.(76.7.1' 3'(7.'4./-'V!!' 6(7'9:7' 7.'7/)'+6.)'+-'1'(7.'&'-6)'7.'&/*'*(66'/' '1/3'/(' 7./-(' *(...,.)' 3'7.-'6(.-/-4'096(9-.'/3)',-'9)''+'7.-':-./(' 7*('-4' 7.3'(7.'-91'9-'+'(7.'+/66'+' '1.'-./07.)'7 1'7.'2-'8.' '++'7*' '1 1.3(/-4'3' O.8.6F$ 7*';'0.'&/*'07'8.)'&(7' *'2*'/*'7.'(7'9:7('+'(7.'0/,(9-.'+'(7.':-./(' 0(4'Q'&707' 7/)'(/8.3'0/,(;.'/66'(7.'&'-6)R' 3'/3'./-6.-'6.((.-'-.+.--3:' ('(7.'3;/*'3'+'(7.'./*(.-3',-';30.*N 7.'*/4*'7*'*'96' *79)).-*'('-.0(.'(7.-93'+'7*'(1.' '-'(&.3(4'4./-*'/66' (7.'6/3)*'+-'1' '3*(/3(3',.6.'('(7.'B96/3' 6,*'/-.')/64').-.307.)'&(7' '1/3'26'')' 7.',-';30.*'/-./',-.4'(' 6/3*' 93*' /3)/6*' /3)' /-0'1/33' /(-'3*' ;-:3*').;'(.)'('='))N(7.'3'26.'/3)'(7.',-.*(' /-.'1/).'(7.'*,'-(

'2D')D'MD' L?T'?'5?4D@)' F)@E)@' Q D C' F D' O)TD' #M LM' C?Q@EC' F SD')'O ?OMDLT'

O ?LQF')LD)')F) VQO D'Q'EDFQK)'-QN)D'CDED@QO D':Q @' K)K)D-'?LQF F@)F DN' DND)D'O?)' O?C(' D')L)8QN'))'EDO DQED D' DP@

A' MD'#?EC' OQ' @?' MD' N?Q M' ?' MD'?FE' J?M L'#)' ?'@' F)QE'EL C 8'".'<[H'

DL'%@N@@(DEDN F(C QQ@'V@?)')'O ?LQF EFLQO Q' @'M?C DN' FQFN @)'E @RQ?'?F)@'O?@QD@KQ)' P@DD')DQL?DFQN'QDQ'/?N)'?Q)

'H',QPQC @D'L?NOF)@C'@'?@D'?'M C FD D C' M)'@?'?@D'M)E'CD@'M N')'QFF')@E')Q MD@ L')LL?Q@'?'MD'L)F)N DC' @')FT'O ?K)KFT' D D @P' ?',F) L C' C'C DPD' '')5'II'e G '&D?@')5'GAB' GA_'M)D D' ?U' D'C @P E QC'@'D ?O Q@'D K)'E?)@ C')O Q'Q KC'RQ)D' ?QN'LDO'?'KDN '1'B[''GAW'e GB $ '(, '0!'A!' < LNOF)'8?F'F LQ'O?OQF)?'P@'Z LQ' ?FQ?'C)L F @C)'@@;?Z @?@'M?@?''@QQO)C'E?')D' P))' @DD' DU' EQ C' DF P?@7')N?

I&/* /6*'' /' *.0'3)' .5')9*' '+' 1/34' '+' (7.' 9,,.-' 06/**' &7'' +6.)' ('' +- 0/' /3)' (7.' /*(' 3.' 0/*.' '+' &7 07' &.' ,'**.**' (7.').(/ 6*' & 66' 7.6,' 9*' ('' -./6*.' (7.' +/(.' '+' (7.*.' 3'76.' .5 6.*' 7.' .1.(- /*' &7'*.' /*0.(%,').;'('3')-.&' +'-(7' (7.' .5(-/;/:/3(' 6/9)/('3*' '+' ' B.-'1.' &/*' /' 1.12.-' '+' '3.' '+' (7.' 3'26.*(' /3)' &./6(7 .*(' 7'9*.*' /1'3:' (7.' '1/3' /-*('0-/04' 7.' 3 0 ' /,,./-' 3' (7.' 0'3*96/-'6 *(*' +'-' 1/34' 4./-*' 3.' '+' 7.-' /30.*('-*' &/*',-'0'3*96' '+' +- 0/' 3' (7.' -.:3' '+' /6.-/3' /3'(7.-' &/*' 0'66./:9.' '+' 9-.6/3' 3' (7.' 0'3*96*7 ,' /3)' /' (7 -)' 7.6)' (7.' */1.' :-./(' '+ d0.' 3' (7.' ./-64' 4./-*' '+' (7.' -. :3' '+' '3*(/3(3.' .-' :-/3)+/(7.-' .5' .(-'3 9*' -'29*' 7/)' + 66.)' 1'-.' 1,'-(/3(' '++ 0.*' (7/3' /34' 1/3' '+' 7 *' (1.$' 7.' +/(7.-' /3)' 9306.' '+' .1.(- /*' &7'' &.-.' (7.' 0'3*96*' '+' ?#X' 7/;.' 2..3' 1 1'-(/6 *.)' 3' /' ,'.1' '+' 6/9)/3' .1.(- /*' /3)' 7.-' :-/3)1'(7.-' /6('3 /' -'2/' 7/; 3:'-/3*'1.)' (7.1*.6;.*' +-'1' (7.' ='(7*' /3)' 7/; 3:'7 -.)' /' ;.**.6' /(' '3.' '+' (7.' (/6 /3',-(*' .++.0(.)' (7. -'.*0/,.' /1)' :-./(' 7/-)*7 ,*' ('' +- 0/ M' E9(' &7.3' (7.4' 6/3).)' (7.-.' (7.4' 7/)' 3' (7.' &'-)*' '+' ' B.-'1.' (''.30'93(.-' /' 1'3*(.-' 1'-.' 0-9.6' (7/3' /34' 3' (7.' 6.:.3)*' '+' (7.' .*(.-3' *./*' '93(' .-/06 /3' &/*' (7.3' :';.-3'-' '+' (7.' ,-'; 30.$' /' 1/3' & (7' /3' 3*/(/26.' (7 -*(' +'-' & 3.' /3)' +'-' :'6)' .' &/*' (7.' /**/** 3' '+' (607'' /3)' (7.'*900.**'-' '+' 641, 9*' 3' (7.'6./).-*7 ,' '+' (7.' /(7'6 0' ,/-(4' E9(' 7 *' -.6 : '9*' ,-30 ,6.*' &.-.' 0'1> ,/(26.' & (7' (7.' :-'**.*(' /3)' 1'*(' 7./-(6.**' 0-9.6(4' (''&'1.3' /3)' (''+.66'& 7- *(/3*' .' 7/)' 19*(.-.)' /' 0-'&)' '+' 4-/3' *6/;.)./6.-*' 3' (7.' +- 0/3' ,'-(*' &7'' &.-.' -./)4' (',9-07/*.' (7.' 7/,6.**' -.+9:..*F' /3)' 1/34' /' '1/3'6/)4' '+' 3'26.' 2-(7' &/*' 0'3* :3.)' 24' (7*' -9++ /3' (''' (7.' :3'1 34' '+' /3' /*(.-3' 7/-.1' -'2/' /3)' 7.-' :-/3))/9:7(.-' &.-.' 0'1,.66.)' (''' ,9-07/*.' (7.-' +-..)'1' '-' */;.' +.7.-' 7'3'9-' 24' /3' .3'-1'9*' -/3*'1 N' (7.-*' '+' (7.-' 06/**' +'93)' (7.-' &/4' (''' B.-'1.<*

' DD' DDLS)' '2 ' UL ' # M' MD' D ?N)' ?' MD')N FT \' ',QC')5' U ' GI' 5 ?K?' 5 5

E L?' M@@L' D@) F O ?DCQFDN' O)D DL QN' DQ@EDN' D' L?@ QFDN b)N' L?@CQF)D D QQN' LF@D " LQFF P)@',QPQC' L?@CQF C' L?FQ @DQ' ?Q QF C' /? QQF)D'

DD' MD' DO)OM' ?' 5 ?KQC' @' (8' ' G_<B

' & D ?@')5' GW[' e' _' RQ)D' ED' NDE ? N)' QN)@ DN' ED)' O))N' D')P F' LTNK)D'C)FQ DN' CQ)N' CQ? QNRQD' L?NN C?%)' L QED ?)' @ D@',L)D' F ?)

' f?C' W_' &D' #))' N)ED' P? D @?' ?',L)')C' M C' D#) E ?' M?' NQ ED' ?' F LM?' 'O ?C' ' A' e' G[

' 5 ?K)' D Q @DE' ?' /?ND' M) @P' DL? D DE' C?ND' O) ' ?' MD' O ?d D T' DD' MD' @CL O ?@C' ?' MD' NDN? T' Q' (8' ' G_<

1'3/*(.-4 /(E.(76.7.1 3 /* *(/(.' '+ (7.:-./(.*( ).*((9('3 7.' 3912.-' '+ (7.*.' ; *('-*' &/*' *'' :-./((7/((7.' */3(' /6(7'9:7' 7 *' 7'*, (/6(4' &/*' 2'93)6.**' *'1.(1.*' +'93)' 7 *' *(9) '9*'6/2'9-*' */)64') *(9-2.) $

3'(7.' 1./3(1.'(7.'-.0';.-4' '+'0'3+).30.'/3)' .C9/3 1 (4' /('1.' (*.6+' *..1*'('' 7/;.'2..3'-/,)' ('*',-'2/26.'(7/(' (7.'*6/9:7(.-' /3)' 1/(.-/6)/1/:.' 3+60(.)' 24' 6/-0' 7/;.' 2..3'.5/:::.-/(.)' 7.'/30.3(' /9(7'-(.*' :;.';.-4') ++.-.3(' /00'93(*' '+' (7.' 1/((.-' 00'-) 3:' ('' *'1.' (7.-.' &/*' &7'6.*/6.' 1/**/0-.M /3)' *.3/('-*' &.-.' ('-(9-.)' /3)' ,9(' ('').//(7' 3' 6/-:.'3912.-*ÑN (7.'0(4'&/*'-/;/:.)'& (7'+-.$' /3)' 1'*(' '+' (7.':-./(' &'-8*' '+'/-(' &.-.').*(-'4.) N' 3'(7.''(7.-' 7/3)' -'*9*N' &-(3:''364'/'+.&'4./-*'/+(.-'(7.'*/08'*(/(.*' (7/(' &76.'*'1.'296)3:*' &.-.'29-3(')'&3' 6/-0' :/;.' '-).-*' ('' 7*'*'6) .-*' (''0'3(.3(' (7.1*.6;.*' & (7' ,693).-'/3)' ('' /2*(/3' +-'1' 26'')*7.)' B'-)/3.*' .;.3' /**.-(*' (7/(' (7.' ='(7*'))' 3'(' *.(' +-.' ('' /34'296)3:*'/3)' (7/(' 24' 6/-0<*' 0'11/3)' (7.4'0'3+3.)' (7.1*.6;.*' ('' ,66/:.$' 7.' ,-'2> /26(.*' '+' (7.'0/*.'/-.'/66' 3'+/;'9-' '+' (7.6.**' (-/:0';.&' '+' (7.'0/(/*(-',7.' 7.'(7-..')/4*')9-3:'&707' (7.'='(7*' -.1/3.)' & (73' (7.'&/66*'&.-.'*7'-(.3'9:7'+'-' (7.'0'66.0('3' '+' (7.'.3'-1'9*' *,'6'&707' 6/-0'0/--.)' '++' 3'7*' *'9(7> &/-)' 1/-07' ' 9:9*(3.'&7'' (''8' /':6'' 14'.3'9:7' ;.&' '+' (7.'.;.3(') *(30(64'*/4*' (7/(';.-4'+.&'*.3/('-*'&.-.',9(' (''). /(7N (' *',-'2/26.'(7/(' +-.'1/4'7/;.'2-'8.3'9(' 7.-.'/3)' (7.-.'29(' (7.'364':-./(' 296)3:'&707' *',' *(;.64'83'&3' (''7/;.'2..3'29-3(')'&3'&/*' (7.',/6/0.'+' /669*(N' +'&707' (7.'-93*'&.-.'*(66'*(/3)3:'3'(7.'(1.'+' -'0',9*' ;.3' +'60-0'7/)'3'(' 2..3'-.*(-/3.)'24',' 604'+-'1'/'&7'6.*/6.' /3)'&/3('3')*(-90('3'+':-./(' 1/*(.-,.0.*'+'/-('7*'='(7*' 0'96)'3'(' 7/;.'&-'9:7('*907'7/;'0'3'*''*7'-(' /'(1.' E9(' (7.'1'*(' 0'3;303:'/-:91.3(' *').-;.)'+-'1'(7.',.'1'+' 9(79*' /1/(/39*'&7''/*'7.'2)*' /'-.690(/3(' +/-.&.66' ('' (7.'0(4'&707'7.'-.:/-)*'&(7' /',**'3/(.'6';.'/3)

G & D ?@')5'_G'e'B'L')5'G _ '5??'F 7, 'A ?L'' ')..' 'G[& D ?@')5'GAH'Q KC' @LFT)''''' Q@?'M)QC)'?C'@LD@E? $??'%)..'G[' 0)"!' !'" # " 0 ?W' 'WH

'V? E)@'? 'L'W['CO?F)@')@ YQ@' @?@')Q DN')'C?FD@'PD@ DC'P@D'C@O' O?@@@'D L $4'(!'4 'L'AI'J?M' D ?')N' NQF)' D@)?KQ)' ODOD ?D Q@' Q' @?PC' N QN' C' RQ?E')F RQ?C' OD ?ND Q@ '5??'F 7, 'A

-.;.-.30.$' *..*' '364'(7.'0-'&).)' 1'391.3(*' '+'7.-':6'-4'/3)'
7/*' 7 *' .4.*')/OO6.)'24'(7.'-/) /30.' '+'7.-':6((.- 3:'+/3.*N'
7.'-.1/3*' '+' 9(6 9*'/-.' '+':-./(';/69.' 2.0/9*.' 7.' *'
/61'*('(7.''364'1/3''+'(7.'6/*('/:/3':.3.-/('3'+-'1'&7'1'&.'
0/3'6./-3'*'1.(7 3:''+'(7.'+..6 3:*' '+'7 *'O6/**' /2'9('(7.'+9(9-.'
'+'(7.' 1, -.' 3'(7.'+/0.''+' (*',.-6*' .'&/*'/',/:/3' '+'(7.'
,/:/3*' 129.)'/*' &.'7/;.'*..3N'&(7'/'1 3:6.)'7/(-.)'/3)'
0'3(.1,('+'-'(7.'3.&'/*0.(0'*,-('&7 07'7/)',.',6.)'(7.'*6/3)*'
'+'(7.' 4--7.3.' ./'&(7'1.3'_'&7''/-.'/*'1907'/+-/)'('.3%'4'
(7.':+(*' '+'+'-(93./*'('+/0.'(*'-.;.-*.*R'M *',/(.-3/6.*(/(.*
3' =/96'7/)'2..3'-/;/:.)'24'(7.' 3;/).-*N 7.'-9 3*' '+'7 *'
7'1.'(7.'*(-./1*' /3)':-';.*' '+' 7 *').*'6/(.)'6/3)*'7.'+..6*'
/-.'0/66 3:'7 1'('-.,/ -'(7.'&/*(.' .('7.'2.(-/4*'3''*41,('1'
'+').*,/ -' 7-..'4./-*' /+(.-'(7.'*.:.'7.'7/)'7.6)'(7.''++0.'
'+',-.+.0('+'(7.'0(4N .' 1/4'7/;./0(9/664'*..3'(7.'='(7*'
&(7 3'(7.'&/66*' E9('(7.-.' *'7/-)64'/'7 3('(7/('/34'*.-'9*'
.;.3('7/*''009--.)$' 7.'(.1,6.*'+'(7.':')*'/-.'*(66'*(/3) 3:'
3'(7.-')/OO6 3:'-/) /30.'Y1).-'(7.'*.-.3.' (/6 /3'*84N 7.'
07..-*' '+'(7.'*,.0(/('-*' 3'(7.'0-09*'-./07'7 *'./-*' /*'7 *'
7,'(66'6 3:.-*' 3'(7.' 2.-N .'+..6*'/',/**'3/(.'-.:-.('
/('C9((3:'Q'(7*'+/-'C9..3''+'(7.'&'-6)R'*''1 :7(4''*''1.-0>
+96$N'*''2'93(.'9*'&7'*.';*26.',6.3)'9-'*''364'(7.'+/3('
4 1 2'6''+'7.-'&'-6)&).'/3)':')6 8.'&/4' .-(/364'(7.-.'
' 7.-.'3''C9.-96'9'/3)'+/3(7./-(.)'6/1.3(/('3''';.-'/'
0-9*7 3:'/3)'/,,/66 3:')*/*(.-' 7.'(-'926.*''+'(7.'(1.'
-.+.--.)'('3'/'+.&';/:9.',7-/*.*'/-.'(-./(.)'/*'1.-.64'
;0**(9).*''+'+'-(93.'*907'/*' '1.'7/*'83'&3'2.+'-.'/3)'
+-'1'&7 07'*7.'7/*'/6&/4*'-*.3'&(7'-.3.&.)';(/6(4 7.'
.3.1.*''+' '1.'7/;.'/6&/4*'-.,.3(.)'(7.-'*900.**' Q 0('-*'
E-.33'3'3')*(96('/','.3/1R' 7*'+/(7' 3'(7.'*(/-''+'
'1.'.5,-.**.)'&(7'*907'.39 3.'.3(79*/*1'*..1*' 3'
9(6 9*'3'('('2.'+'93).)'3'(7.'0'3*0'9*3.**''+'1/(.-/6'
(-.3:(7' (''-/(7.-'/'-.6:'9*'+..6 3:'*,-3:3:'+-'1'/'O6./-

'/Q F'-)N)'' 'b>
'1'' IW
L?@Q@EQ@R@D')P?C'EDFQK)'NL)@)' CQ)
'1'' [
'1'' <'
RQ)D@)N'OD D CF)KDC')N'C QF'LD DK'
EQN'N)F)'?NEDC'@DD'K?@)'O?CCD'O)
'1'' A<
'1'' GB_GB['' L' DDLSC''A9'
LFUUU' &C')MD'3)LM)@)C'K)E'MDFE

CD D)F?LDC')N?@P'?MD C'M)''?'
L?@CQF) C'%QCL)D'U'*''''<
'/Q F'-)N)''<[
D'L)O)'O QC'RQ)N'L)OD D Q'D)'
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N P)'')N))'L U'EDND@)' D)'
\'1'' GGI';XX

,.-0.,('3 '+(7.(-9.1 ** '3'+ '1./3)(7.3/(9-.'+7.-
.-;0.('791/3(4'Q W9')'-.:3/* 1 39*.*(C9/1'C9')'
-.:3/-.1.-.*R$ 7.(-91,7*'+ '1.7/;.2..3(-91,7*'
+6/&/3)'.C9/6%9*(0.+'-(7.;/3C9*7.)' 7.07 6)'+
/-* /3)'.39*M *7.7/* 93(.)'6';./3)'(.3).-3.**('
&/-68.1 :7(F /3)'*'7/* *7.1/).'+(7..//-(7&(7(*
);.-*,,.',6.*/'*3:6.'0'93(-4N .-.' -'*9*/3)'9(69*'
(7.7-*(/3'/3)'(7.',/:/3'%'3'7/3)*'Q '1.R*/4*-'*9*$
3'.++.0('Q7/* *(-,,.)'.56.'+(*(.--'-* 7.-.;.-''':''
+3)'14'+/(7.-6/3)''0'1./*/'1/3'/1'3:'1/3*R E9('
(7.,/:/3'3'26.'7/*/':-./(.-'+/(7'(7/3'(7.7-*(/3',-.*('
3'(7.'+9(9-.'+(7.'1/3'*&/4' *3:'*9,.-'-('''/66'(7.
;0**(9).*'+'+'-(93.'*7.*'('-.0.;.'(7.'*921**'3''+(7.
(-.126 3:'='(7FN (7.,/0+.)'3/('3*'/-.'*(66('',/47.-'(-29(.
/3)',9-'(7.-'&./6(7'3('7.-'2'*'1F *7.1/4'&(7'3''(.-1'
.('('7.-')'1 3'3'.5(.3)'7.-'6/&';.-'(7.'0'1 3:'/:.*N
/3)'7/;.'3''+./-'+'(7.')*(/++'+(7./(.*' 907'&.-.'
(7.7',.*'-'2.6.+*'+'3.'&7''1/47/;.'*..3'(7.='(7'3'
,'**.**'3'+'1./3)'&7'&/*-.(9-33:'('+3)'(7.*/1.'
='(70'7'*('*.((6.)'3'7*3/(;.'C9(/3.'7/('*.0-.('
1*:;3:* 9(69*1/47/;.7/)'&.'0/3'3.;.-'83'&''-'7'&'
7.+/-.)'K&7.3'7.'+'93)'71*.6+'30.'1'-.''3'7*-/;/:.)
.*(/(.'*'6+.'&707'*'83'&3('9*'364'+'-'/'1'1.3('*'
68.'7*',.1'/'1.-.'+-/:1.3('/'2('+'&-.08/:.'/*('&.-.'
/,,./-3:'+'-'/3'3*(/3('3'(7.'&/;.*'/3)'(7.3'6'*('('*:7('
+'-'.;.-'*'*'(7./61'*('*'7(/-4';'0.'&707'-./07.*'9*'
)-.0(64'+-'1'(7/(':.3.-/('3''+(7.'7:7'/-*('0-/04''+'1.'
&707'+-'1'&7/(.;.-'0/9*.',-).':-.+'0'3+).30.'3'(7.'
(/26(4''+'/':-./('0;6/('3''-'+-'1'(7.0-9.6(4''+'(1.'3'
.3:96+3:'/66'-.0'-)''+'(*'+..63:*'*'3'&'/**6.3('/*'+'('
7/)'3.;.-'2..3

3'(7.';.-4'4./-'3'&707'9(69*'/1/(/39*'&/*'
-.(9-33:'+-'1'7*',-.+.0(9-.'('=/96'-'*9*'(7.'4'93:'
,/3*7')*0,6.'+''9:9*(3.'&/*0'1,'*3:'7*'7*('-0/6'
/3*&.-'('(7.',/:/3'0-4'(7/('1.'7/)',.-*7.)'3'$7.

'7Q F'-)N)''IG
('''B_
W 1''BW
'O?C''A'G'QK RQD'O))'QK RQD'
FDU'D'DF P?')D)'DC''''''RQ)''E

M C)@?C'D'&?N)Q?C'7?ND@QC'D'
M C)@QC')LLDED
g 7Q F'-)N)''G A
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O? OD'L)C'&?N)8)'@'C)DLQF)'FDPDC'
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7- *(/3 (1 .* 7 *& '-8 7/* 2 . . 3 /6-./)4 -.+.--.) (' 3 /3 /00'93(' '+ (7.6/*(' ', .3 0'3+6 0(' 2.(& . . 3 7- *(/3 /3) , /:/3 3 (7. .*((' &/* 0'1, '*.) , - 1/-64 (' 0'3+9(.' (7. ', .3 /009*/('3* '+ (7. 7./(7.3 -.13/3($ /3) (' C9 .(' (7.'93./* 3.** '+)'92(.-* '3 (7. 7- *(/3*) - '* 9* . 1 , 6'4.) /'6 1 (.) .-9) ('3 /3) /'2'93)6.** 6 0.3*. '+ /**.-('3 (' , -' ; .' (7/(' (7. , -. 7- *(/3 /:.* 7/) 2. . 3 *0'9-:.) & (7. ; .-4 +'-1 ' +0/6/1 (4 3 /') .:-. 9383'&3 (' 7 * 0'3(.1, '-/-.* /3) (') . . , . 3 . ; .-4 *7/)'& 3 (7. 7 *('-4 '+ (7. , .*(' E9(' &'-(76.** /* 7 *& '-8 * +'-' (* 1/ 3 , 9-, '*. (' 7/* /' :-./(' ; /69. +'-' (7.6 :7(' &7 07 (' (7-'&* '3 (7. , '** 26. +9(9-. /((9) . ' '+ (7. 79-07 (' (7. 2/-2/-/3*

3.0.**/-4 0'1, 6.1.3(' '+ (7. ; .& &7 07 -'* 9* (''8 '+ , /*(' 7 *('-4 &/* 7 *) .(.-1 3.) -.*'6; . (' 1 3 1 *. (7. 0'3> ; 96* '3* /3) (7. *9++.- 3:* '+ 7 * '&3 (1. .7/) *9++.-.) , .-*'3/664 3 (7. /3)/6 3; /* '3 '+ , /3 F $ 7. 19*(' 7/; & (3.**.) *'1. '+ (7. 7'--'-*).*0-2.) 3 (7. 7-'3 06. '+)/(9* M .(' 7. 0/3 *, ./8 '+ (7. 0/, (9-. '+ '1. /* /* 3:6. /0(' +' 2- :/3)/:. 3 /' &'-6) .3%'4 3: :.3.-/6 (-/3C9 66 (4 N 7. = '(7* 3 (7. -+ -*(' '3*.(' 1 :7(' 2. + .-0./3) -/, /0 '9* 29(' (7.4 &.-. /+(.-/66 +.66'& 7- *(/3* 7. -07 .+ 7/) 8., (' 3; '6/(. (7. 7- *(/3 079-07.* F (7. *'6) .-* 3 (7. 1)*(' '+ (7. -, 66/:.7/) +'-1.) /* * 3:96/- , -'0.** '3 (' .*0'-(' (7. */0-.) ; .**.6* (' (7.2/* 6 0/ '+ .(.-* * 3: 3: 7413* /* (7.4 &.3(' 7.4 7/) 3'' 7/(-.) '+ '1. '3'' & *7 (' '; .-(7-'& 7.-. 1, -. *(7.-(-. :-./(' 07 .+* 6/-0 /3) (/96, 79* 7/) /* 3:96/- -.; .-.30. +'-' '1. N 7. -* (-'3:.*(' & *7 &/* (' ' 2. /)1((.) (' /34 *.((6.1.3(' &7 07 '1. 1 :7(' /** :3 (' (7.1 N /3) (7.4 &.-. -./)4 3 -.(9-3 +'-' (7.2''3 (' , -'(.0(' 7.-/3) (' -.*('-. 7.-, '&.- 3 7 * 3/(; . 0'93(-4 -'* 9* 7/) *b+.3 (7. =.-1/3* (9-3 3: +-'1 2- :/3)/:. /3) *6/9:7(.- (' (7. 096(; /('3 '+ (7. +.6)* 7.4 &.-. 2.: 33 3: (' 6 ; . '3 (.-1* '+ /1 (4 /3) :'') +.66'&*7 , & (7(7. -' '1/3 3. :72'9-* 1/34 '+ &7'1 , -.> +.--.) (7. -96. '+ (7. 2/-2/-/3* (' (7. 0-9*7 3: .5/0('3* '+

' O ?C' 'A[' <' & C'@) D' DP ?@' #)C'O ?K)KFT'%))L?@D@C C'L ' 'AA' @?C' RQ?RQD' @' & CO)@)' %))L?@?)' O , ' ' ' ' ?C D@) NQC ' E) ' (O ' EDK)LLK)@ KQC' OD' & CO)@)C'K) K) C'D L

' O ?C' 'A[' I ' 1' 'WI \' 1' ' W $ 1' 'G[' W' DU PQ)D' M)K) ?@ C' CDEDN' @?@' DU' CQ)' DFDL ?@D' CDE' DU' @?C ?'YQE ? ?' ?P)@

(7.' '1/3'(-./*9-4$' /6; /39*' (.66*' 9*' (7.' */1.'(7 3:' E9(' /6; /39*' &-'(.' 1'-.' (7/3' /':.3.-/('3' /+(.-' -'* 9*' 3)' (' *' 0-.) (/26.'('' (7.' 3* :7(' /3)' 0/3)'9-' '+' -'* 9*' (7/(' 7.' *7'96)' *'' *'' '3' /3)' *'' 06./-64' 7/;.' ,.-0. ;.)' (7.' 1'-.' 7',.> +96' *).' '+' (7.' 2/-2/- /3' 3;/*'3*' /3)' (7.' ,-'1*.' '+' /' -/,,-'07.1.3(' 2.(&..3' (7.' '1/3*' /3)' (7.-' 3;/).-*' .' *7'&*' +/-' 1'-.') *0.-31.3(' /3)').(/071.3(' +-'1' ,-.%9) 0.' (7/3' (7.'*(/(.*1.3' '+' /;.33/'&7'' -.%.0(.)' (7.' ';.-(9-.*' '+' 6/-0'/3)'0'1,/**.)' (7.').//(7' '+' (6 07'' 3' -'* 9*' &.' *..' (7.' 79-07' /6-./)4'/)/,(3:'7.-*.6+'('' /6(.-.)'0'3) ('3*' /3)' &66 3:'('' 0'1.'('' (.-1*' & (7'(7.'3.&'+'-0.*

+'&.'/*8' &7/(' -'* 9*' (7 38*' '+' (7.' 0'3) ('3'/3)' +9(9-.').*(34' '+' '1.' &.' '2(/3' /'*'1.&7/(' 930.-(/3'-.,64' 3' (7.''3.'7/3)' 3'*,(.'+' /66' 7.-') */*(.-*' '1.'*(66'-.(/3*' 7.-' 1,.-/6'*&/4' 3(/0(F Ñ '3' (7.''(7.-'(7.' 1 :7(4' 1/**' '+' (7.' '30.' '13,'(.3(' '1/3' 0'11'3&./6(7' *' 2.:33 3:' ('' +..6' (7.').0-.,(9).'+'/:.N' '1.'& 66' 7/;.'7.-'(.-1'6 8.'(7.' .1,-.*' '+'(7.',/*('6 8.' /66' (7 3:*' 791/3' .-',' &.-'&/*' +'93).)' '3'+'-0.'/3)' &'3' 24' 26'')4'0'3C9.*(*'&7 07' 0/9*.)' +/-' :-./(.-' 1 *.-4' ';.-';/*(' *,/0.*' '+' (7.'&'-6)' (7/3' /34' 3+6 0(.)' 24' (7.'='(7 0' 3-'/)*M' 3)'4.(' 7.-'-96.'7/*' :;.3' /',.-')'+' .5(-/'-) 3/-4'(-/3C9 66 (4''-).-'/3)',-'*,.-(4'('' (7.'3/('3*'&7'1'*7.'0'3C9.-.)N' +'4'9'7/;.'('' +64'+-'1' '3.',-'; 30.'4'9'0/3'+3)'/'7'1.'/'0'93(-4'.;.-4&7.-.G' Q'92 C9.',/(-/'92 C9.'6.5'.(' -.6:''1./'.*(R Ñ 7.' '1/3' ,./0.'(7.' '1/3'096(9-.' '1/3/'*':-./(.-'(7/3' '1.'/3)' &66*9-;;.'7.-' 3)'/6'3:'&(7'(7*' 0'*1','6(/3'+..6 3:' (7.-.' *' 7.-.' /3)' (7.-.' /' 09-'9*' .1.-:.30.' '+' ,-'; 30/6' ,/(-'(*1'(7.'+/3(')/&3'/*' (' &.-.''+' 1').-3' 3/('3/6(4' '-.' (7/3' '30.'24' /'*'-(' '+' ,/(-'(0' --.6.;/30.' -'* 9*' .36/-:.*' '3' (7.' *(922'-3' -.**(/30.' &7 07' (7.' ,/3/-)*

G 0 ?C' ' G' _' K) K) ' DUDL) ' PF)E ?C' CQ?C')E')) ' L?@ D C' CQ@' DC EQ?CRQD' /?N)@?C' Q 'C?L ?C' N?E?' D ')N L?C' ? D@ 'Q ' @ D@)@ Q 'Y) N' @ D ' D?C' RQ E) N' /?N)@' RQ' N)F @' @ D ' K) K) ?C' O)QOD DN' F KD) DN' RQ) N' @ D ' /?N)@?C' KQ))N' C?FF L QE ' @LN' CQC @D D' ?NO) D' # M' M C' E ' ?- ' 4 ' ' AB')L' C L')L QN' DC ' Q ' F) ?L @ C' YQE LQN' C) @ QF) ' M?N @DC' D '@DL) U' QL OD D@ 'DCCD RQ)C' K) K) ' RQ)' @?@' OD N DK)@ Q ' DCCD' /?N)@

$ O ?H' ' W' ?O KQC' CO?F))' @?@' D ?' N)@D ')E Q Q'D' ?P@) ' @L?MQ@ C' ' ' ' B' G ' FF)D' RQ?@E) N' /?N)@)D' D OQKF L)D' N?FDC' @ NL' N)P C' NKDL FF) D' O ?O)D' CD@D? Q C' RQ) N')F D@ C'L?QLQCC)D' KQC' L?Q D OD Q@ ' *1' ' G' ' ' ' G' GA' @RQ D QED' KDFF? QN' RQ)' F4') Y ' CQ@' @?K C' P@?)' DC' ' @' ? ?' @?C' @)CQ NQ 'D 'CD@DCL NQC' ,@' DU)? E @) T' C) DND@' ?' KD' N)ED' @' MD' CDL?@E' EDL)ED' ?' MD' M' LD@ Q T $ ' ' A' G

'++.-.)('(7. '1/3:.3.-/6*$/3)'(7.'*9++.-3:*+-'1'+/13.'/3)'*6/9:7(.-'.3)9-.)'24'7*'0'93(-41.3')9-3:'(7.'*(-9::6.*'+'(&''793)-.)'4./-*' 76.'-.0':3*3:'(7.',./0.'/3)'7/,,3.**'&707'(7.' '1/3' 1,-.'7/)':;.3'(7.'&'-6)'*30.'(7.'0'13:''+' 7-*('7.'*'7/-)64'*''-./)4'/*' 9:9*(3.'('')''%9*(0.'('(7.'1/364';-(9.'74'&707'(7.' 1,-.'&/*'&'3M' *'*41,/(74'*'-/(7.-'+'-'(7.'0'3C9.-.)'-/0.*' '1.'*92)9.)'(7.'&'-6)'('':-/(+4'7.-'6';.''+')'13'3'7.-'69*('+'-':'6)'/3)'6959-4' 7.'26.**3:*'&707'7.-'-96.'7/*')++9*.)'/-.')9.'('(7.' ;3.'&66'&707'7/*':9).)'(7.'0'9-*.''+'7*('-4

E.(&..3' -'*9*'/('(7.'2.:333:''+'(7.'0.3(9-4'/3)'/6;/39*'/3)')'39*'&7''&-'(.'('&/-)*' (*'O6'*.'&.'7/;.'6((6.'('(.66'9*'7'&'(7.' '1/3*'-.:/-).)'(7.'0'9-*.''+'.;.3(*'7.':-./('6.((.-.)'/3)'3'26.'O6/**'*'/2*'69(.64'*6.3(' 7.'*'3*'/3)':-/3)*'3*'+'(7.':.3.-/('3'+' 411/079*'(7.'11.)/(.'/30.*('-*'+'(7.':.3.-/('3'+')'39*'(7'9:7'(7.4'&(3.**.)'(7.'0'3C9.*('+' '1/3'+-0/'24'(7.'/3)/6*'(7.'3;/*'3'+'=/96'74'((6/'(7.'*.((6.1.3('+'(7.' *:'(7*'3'C9(/3.'7/;.'3'('6.+('.;.3'/'+-/:1.3('('3+'-1'9*'/*'('(7.-'+'-(93.*'(7.-'7',.*''-(7.-'+./-*' 7.''364'1.**/:.'&.'7/;.'+-'1'(7/('.3.-/('3'0'1.*'3'(7-..',.1*'0'1,'*.)'24' 7-*(/3*'/3)'/*0.(0*'&7''7/)'*..3'&(7'(7.-'&3'.4.*'(7.':-./('3;/*'3'+'=/96'/('(7.'2.:333:''+'(7.'0.3(9-43)'('*'09-'9*'('0'3(-/*('&(7'(7.'7',.+96',(1*1''+'-'*9*'(7.'7'--'-'/3)':-.+''+'(7.*.'&-(.-*'/('&7/('*..1*'('(7.1'('2.'(7.')./(7/:'34'+'(7.' '1/3'&'-6)

7.',.1*.3((6.)' =0 '/3)'4' 0! ,'6!,'&707'9*.)'('2.'&-'3:64'/((-29(.)'(' -'*,.-M'/3)'(7.'(0!00-'N''+' -.3(9*/-.'/*'('&.-.'(7.'*'6(/-4';'0.*'&707'0'1.'('9*+-'1'(7.')1'1/**'+'(7.

'O?C' ' 'MD' L?DC'?')'MQH' ' _'MD'#)'#M'-QN)@)'' GI'D?Q)' 'W'%)Y)@')@E'%MD?E?CQC'?' O)@CM'?P@'L'1?@D'OO'W_'WH'.KD'8' '%,'O'W

'4'(!'4' 'A' 'AI['@E?FDC'/?N)@)'F)QE)KFC'O'O?PD@DC'/DPQ'F?QN'L)D?F)QN'L?@QN'9)K'??@@'M)DL'O?QC'L?@LQOCLD'L')5'GWH'e'G'DNOQKF?))'RQ)N'Y@'/?N)@'L?@C QDQ@')QUDQ@RQD' 'Q KQ)

'%MD')QM?'?'FD'4' 0!'4 !#)C')'@) D'?'?QMD@'J)QF)@E'M)E'CDD@'MD'@)C?@'?'MD')@E)FC')@E'J?MC''W' %MD'O?DN'#)C'O?K)KFT'L?NO?CDE')K?Q' G<'!'.KD 'WG_'@'

'M)C')'@)'?'5DF)P)@CN'b 'AWW'A['BH<"?'#MLM' 5?COD'#)C')'O?N@D@'?OO?@D@'!'1P@DC'DE'L?F'BG<'.KD ''WGI

'%MD'(0 - 0 -'#)C'O?K)KFT'L?NO?CDE'@'MD'CDL?@E'EDL)ED'?'MD'MLD@QT'.KD ' G['L'.FFC'5D'?'M C'DE'N(05''.5')..JOI MD'(0#00-'O'GI

*.3.-/('3 &7'& (3.**.) (7. 3.; 0 /3) /3)/6 3;/* '3* 3 ,7-/*.* '+(.3 /61'*( ).3(0/6 (7.4).*0-2.(7. *9++.-3: /3) (.--'- '+ (7. (1. 7. 0'93(-4 *' *1'8 3: 6 8. '3. :-./(+93.-/6 ,4-.$ (*' *(-'3:.*(/3) +/ -.*(0 (.*' 7/;. 2..3 : ;.3 9, (' + -. /3)*&'-) '(7 3:7/*' .*0/,.) (7. ; '6.30. '+ (7. 3;/).-*'0/*(6.*' '3 /,,/-.3(64 3/00.** 26. -'08*N (7. 6'3.64 7.-1 (/:. 29-.) 3 (7. &'')*N 079-07.*' :9/-).) 24 (7. -.60*' +*/3(*' /3) 1/-(4-*MG 3'' ,6/0.7'&.;.-*(-'3:' - .1'(. '- */0-.) &/*' */+. +-'1 (7. -/((/08* 7. /:.) ,-.*(7/*' 2..3)-;.3 3('' *6/;.-4& (7 7 *' +6'08N (7. 1'(7.- & (7 7.-07 6)N (7. 1/*(.- & (7 7 *' *.-;/3(* 3 /66 *).*' (7.-. *' 3'(7 3:79(&/-'0'3+9* '3 /3) (7. (-./07.-4 '+ +.66'& 0(0.3* $ ./0.* ..1*' (' 7/;. C9((.) (7. &'-6) +'- .;.-' /3) (7. .3) '+ /66 (7 3:* *' /(7/3) (*' ,-'2/26. /* 7/*' '+(.3 2..3 ,' 3(.) '9((7/((7.-. 1/4 2./' :'')). /6 '+ .5/::.-/('3 3 (7.*.).*0- ,('3* /3) /' :'')). /6 '+ */0-.) -7.('-0 & (7 /' -.6: '9* ,9-,'*. .(&. /-.' 2'93) (' (/8. /00'93('+ (7. 1 ,-.** '3 1/). /((7. (1. '3 /'0.-(/ 3 06/**' '+ 1 3)* 7. (-'926. *' 3'(24 (7.1 -.:/-).) /* -'* 9* -.:/-).) (' /* /61'*((- ; /6 0'1 ,/-.) & (7 (7.*6/9:7(.-' /3) -/, 3. /3) ,.*(6.30. '+ +'-1.-' /:.* (' *' 3'(6'0/6 /3) (.1,'-/-4 7. +/2-0 '+ (7. 0 ;6*.) &'-6) *' ('((.-3: .3 /-./2/3)'3 3: 7',. 3 (*' ,.-1/3.30. /3)* .. 1* ('' +..6 (7.1*.6;.*' '3 (7. .): ' '+ (7. /24** 7. ,'.1' '3 (7. -';).30. '+ = '))&.66** *,.0 /664 '3 (7. +/0((7/(1/34 &.-.6'* 3: +/ (7 3 (7.: '; .-31.3(' + (7. &'-6) 24 /' -:7(.'9* = ') 7.*,.0(/06. '+ &7'6.*/6. /3) 3) *0-1 3/(.-93N '+ (7. ; -(9'9* /3) (7. & 08.) '; .-(/8.3 24 (7.* /1.) ''1) -'; . (7.1 2/08 (' (7. 0'30.,('3 '+ /3 -'3 +/(.'-' + /3 ., 09-./3). (4 * ((3: /6''+ +-'1 (7. &'-6) ,'&.-6.** '; .-' (*).*(34 0'6)64 , (6.** '+ (* &'.* N 3) /6'3: & (7 (7. /(7.*(0

G (. 0 ' 'GH'
Q@? N) 'J)FF)' ?)' ?P?
?, ' '5 ?Q' 4 !' G_'
)8 NQN'O))D'CQK ' ?N)@ C N)P?
' (0 0, ' 'GBI' ' (, ' ' 0!'
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' ' =0 ' AB
QNF RQD'KDFF)' D@Q@' ' '
O)U) M ' D C' E N)'RQ)DRQD'% EDC
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N F C
L))C)' Q ' N? C L LC'O ?E ?'
& D ?@')5'GGH'e A 'GAW'e 'CD O @P'
?' MD'C)ND D@ C
' (, ' ' ,'!' 4 !' <A'
EDN' ? K?'K?@?)'CQC QF ') RQD N)F?C
' 1' G<
)L Q) 'P @ 'C DFF)@ N' N? K N 'M?L'D)'
) C? NC' ?)N'CQK L ? D' DFF P ?@DN'
EQN'@QFFQN'LQ) D'F'DQN'NQ)F)')Q)EQ 'D L

, 7 6'*', 7 .* '+ (7. , /*(-.(9-3.) /6*' (* , /: /3* *9, .-*(('3* .+9* 3: (' 2.6 .; . 3 / 0'3(-'66 3: -';).30. 1.3' '30. 1'-. 2.: /3 (' 3(. : /(. (7. *(/-*$ /* (' (7. 1./3 3: '+ (7. *9)).3 /--.*('+ 0 ; 6 */('3 '-$ /* (' (7. - '&3 , .-*'3/6 +'-(93.* 3 (7. 1 *.-4 /3) 07/'* '+ (7. (1. /34 4./-* /+(.-&/-)* &. *7/66 + 3) (7/(/6; /39* 7/* *(66 (' 0'3(.3) /: / 3*((7. */1. *, - ('+ 932.6 .+

-'* 9* &-'(. (' -.+9(. (7. 0/; 6* '+ (7. 6/*(:.3.-/('3 '+ , /: /3* &7' +'93) 3 (7. 1 *+'-(1.* '+ (7. 1, -. /3 /-:91.3(/ : / 3*((7. /) ', ('3 '+ 7- *(/3 (4 /* (7. 3/('3/6 +/ (7 /6; /39* *., /-/(.) +-' 1 -'* 9* 24 1'-. (7/3 / :.3.-/('3 7/) /3 .C9/664 0'3(-'; .-* /6 , 9-, '*.F 29(7 * &'-8 * / 1.) /((7. *0., (0 * 1 '+ , -'+.**.) 7- *(/3* $ &7' &.-.) *(9-2.) 24 (7. 0/6/1 (.* (7. 1 1 3.3('; .-(7-'& '+ / *'0 .(4 &7 07 7/)).+ 3 (.64 ,6/0.) (*.6+ 93) .-(7. , -'(.0('3 '+ (7. -'** -'* 9* 7/) (' ' , , '*. (7. 0'3; 0('3* '+ 1.3 &7' (7'9:7((7. &'-6) &/* *9++.- 3: +-' 1 (7. /2/3) '31.3('+ /3 '6) +/ (7 93).- (7. , -'(.0('3 '+ &7 07 (7/) , -'*, .-.) /6; /39* 7/) (').+6 & (7 (7.) '92(* '+ (7. ; '(/- .* '+ (7. 3.& +/ (7 93).- &7 07 (7. &'-6) 7/) *9++.-.) &7/(&.-. (7'9:7(93.5/1 ,6.)) */*(.-* 7. (-./(*. 4 ?- , 0 4 &/* , -'2/264 &- ((.3 2.+'-. VX! /3) /+(.- V?# N (* , .-7/, * +'-(93/(. +'- (* 0'3(-'; .-* /6 , 9-, '*. (7/((&/* 0'1, '*.) 2.+'-. (7. ; 0('-4 '+ (7. '1/3 /-1* /(7 6'3*

3 *, (. '+ /66 (7. +/96(* '+ -'* 9* /* / 7 *('- /3 (1/4 &.66 2. C9.*('3.) &7.(7.-7 * (-./(*. * 3'('+ :-./(.- 7 *('- 0/6 ; /69. (7/3 (7/('+ /6; /39* 7. '2%.0('+ -'* 9* * (' *7'& (7/('1. 7/) *9++.-.) .; .3 &'-*. 0/6/1 (.* &7.3

' %M C #)C ? K EED@ KT)F?@P CD DC ? F)#C @ MD TD) [I &?@? QC ? ED C MD DUOQFC ?@ ? N) MDN) L (* U GB GA 7Q MDT) D ?Q@E @ /?ND P) @ @ G[#MD@ ,) @C L?@CQF DE MDN bf?C _ E?@ QC DO DCD@ C F D # D ? , D QC)C L?@X CQF P MD C) C (, A< I L E)5 GG 3)NO E QC ? 7? X ED)QU KDF D DE @)C ?F?PT - ? # M?Q D)C?@ , QP (! 4 GI))LSC M C CQOD C ?@ 1)Q T C 8, %,93 L

DD MD ?OD@ @P #? EC ? MD "-1 4 @LQ ?C C)RQ KQCE)N D RQ)C @DPFDPD@C MQ))@? QN)L QQN

EDQC E L Q 'Q O? D@D? K?@?C LQC ?E D@C @DL L?D LD@C N)FDC . KD 3 <I @ < &D ND@ ?@C MD ED D) ? 3 ? QC @ WI b [5 ?CO (0)E) ")@E MD C C FD@)K?Q MD ED D) ? , F) @ <G %DQ DF C)TC MD F) D D D@ #)C Q@X S@?#@ ? M N 7Q MD ED D) ? , F) N)T M) D KDD@ P@? DE KT)# D #M?CD MDC C C MD CQOD ? T ? K) K))@ QD %MD D D D@LD @ B b?KCDCC) DC Q KC" C ?, F) L C @? _? JD@CD ?C L)O Q D ? /?ND)F)@QC F DE O?CC KFT FF I< bJD@)E . 5 B QCRQD M?E D ! %DQFFDF e BA @ L . KD H @ "

*7.' &'-*7 ,,.)' 7.-' /30 .3(' :')*' (7/3' *7.'))' 3' 7-*(/3' (1.*' 3)' 7.' *' ,-'2/264' 3'(' &-'3:' /(' 6./*(' &7.3' 7.' 1/3(/ 3*' (7/(' (7.' 3;/* '3*' '+' (7.' -. :3' '+' =/66 .39*' 0/9*.)' C9 (.' /*' 1907' 1 *.-4' /3)' (.--'-' /*' (7.' 3;$ * '3*' '+' (7.' -. :3' '+' '3'-9*$' 364' '30.' '-'(& 0.')'.*' 7.' *(- 8.' (7.')' 1 3/3(' 3'(.' '+' /6; /39*' (7/(' (' &/*' (7.'(7./(-.' (7.' *.3*9/6' ,6./*9-.*' '+' (7.' '1/3' &'-6)' &7 07' 7/)')-/&3')'&3'(7.' %9):1.3(*' '+' 7./;.3 M' 7.' :-./(' '2%.0(' '+' /6; /39*' *' (''7. :7(.3' (7.' 7'--'-' '+' (7.' 0/(/*(-',7.' (7/(' 7.' 1/4' 1/8.' (7.' 1'-/6' 1'-.' 1,-.** ;.' .' ,-'1 *.*' (7'9:7' (7.' ,-'1 *.' *' 93+96+ 66.)T' ('' ,-';.' /*' 9:9*(3.' 7.6)' (7/(' (7.' /30 .3(' '1/3*' &'3' /3)' .3%'4.)' (7.-' -96.' 24' /' 1/364' 3/(9-/6' ;-(9. N' E9(' (7.' '1/3*' '+' 7*')/4' 7/;.' 6'*(' (7.-')'1 3 '3' /3)' *9++.-.)' 3' ,.-*'3' /3)' .*(/(.' 2.0/9*.' (7.4' /-.' *938' 3' *.3*9/6' ,6./*9-.' 2.0/9*.' (7.4' 7/;.' .507/3:.)' (7.' *'2.-' /3)' *(-.39'9*' .3.-:4' '+' (7.-' /30.*('-*' +'-' /' *'+(' 6959-'9*' /3)' +-;'6'9*' (.1,.-' & (7'9(' 3.-;.' ('' 0',.' & (7')/3:.-' & (7'9(' .;.3' .3'9:7' '+' 1/:3/('3' ('' -./6*.' ($' Q' 7.' '1/3' &'-6)' :'.*' 6/9:7 3:' ('' (*')./(7 R' 7.' 3;/* '3*' /-.' (7.',-',.-',.3/6(4' +'-' 7. 3'9*' :9 6(' /3)' (7'-'9:7' 0'--9,('3' '+' 07/-/0(.-' 7.' 3;/).-*' 1/4' 2.' -/3* N' (7.4' 1/4' 2.' 7./(7.3*' (7.4' 7/;.' (7.-' ;0.*' F' 29(' 3' *,(.' '+' 26 3)3.**' ('' *,-(9/6' (-9(7' (7.' -.*96(' '+' +/96(4' (./07 3:' '-'./-64' /**'0 /('3' 3' *,(.' '+' 0-9.6(4' /3)' (-./07.-4' (7.4' /-.' 1'-/664'+/-'*9,.-'-'('(7.' '1/3',',96/('3' 6(7'9:7' (7.4' 7/;.' 2..3').3.)' (7.' +966' 6:7(' '+' (7.' /(7'6 0' +/ (7' 4.(' (7.4' 7/;.' 3.;.-'*938' ('' (7.' 6.;.6' '+' (7.' 7-*(/3*' '+' C9 (/3.' &7.-.' .;.-4' .*(/(.' *' /' *0.3.' '+' &7'6.*/6.').2/907.-4 N' 7./3)/6*' 1/4' 2.' /' &./8' /3)' 0'&/-)64' ,.',6. M' 4.(' (7.4' 7/;.' ';.-(7-'&3' (7.' *(/(.64' '1/3' 0 ; 6 */('3' '+' +-0/' /3)' &(7' (*' ,'&.-' (7.4' 7/;.' *&.,(' /&/4' (*' /2'1 3/('3*' '+' 3/1.6.**

' 0 ?C' ' AA'_
' 1' ' AG' <' MD))' @LQC)@E)' @?@' DNOD)
')F ' ' "-1' 4 ' ' A' C' ELQC')QN 'LQN')E' D) @ @DP? 'O) DN')L' LDCCD NQC' Q' ED' D D KQC' /?N)@ C')F R@)'E L)E Q 'D ED@ D 'E' @?' NQ@D D')EO ?K)K NQC') @'YQC QN' Q@L'D P)' FF?C' Q CCD' E?N @') ? DN' RQ) N' @Q@L'D P)' @?C'YQC)N' CD D) DN 'L'.KD ' ' BW ' 4 '"-1'4 ' 'H[')'?Q@? ?C'L ' N @)' CQ)' O DCCD)@ ' Q ' @LL' ND 4D D@' Y D LQFQ)' CQQN' ' O)D@?)?DK) Q ' L)O '))' @DL' ?@@ E)K) Q ' ' ? ' _A

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' 9 ?N' MD' 5)@DPT L' ?@' 1)N@')@MQ' 'NQC'M) D'KDL?ND' MD C MT' E?@ QC' (, ' '<_<_B' C?D@') D #) EC' %MD') PQND@ C'?' '8D' @PEQ@@NRQD' Q)N' EQN' O)D D C'))O LD' ?QF)@PL)' ?'Y ? D' M)' MD D' C'@?' L?@X L ? @Q T'7D #DD@' MD' CD FDND@'?' GW # D@' <H' b1?NNCD@' 5)D ' F' ' b5 ?CO' 0 ')E')'"')@E'F) D '7Q PQ@X ? ' (, ' U "' ' F)' LFD)' ' M)' 3T?@C' E)@'M C ? T') D'U D M)OW'N? D' @PD@ ?QC' #)C'@?' @'7Q PQ@E)@' M)@EC')' M) M)@'L?@ @L @P'N8 @ 72 OO' [', J

'+ (7.' :';.-31.3(' /3)' '+ (7.' .0'3'1 0' 07/'*' ('' /:::-/3) *.' (7.1*.6;.*' 93-.*(-/ 3.)' 24' /34' ,926 0' *, - (' '-' +..6 3:*' '+' , (4' +'-' (7.') *(-.**.)' /3' &.' &'3).-' (7.3' (7/(' ('' (7.' .4.' '+' /6; /39*' (7.' 1, -.' *.. ,*' /61'*(' 3' (*' 6/*(' (7-'.*' &7 6.' (7.' =.-1/3*' 3' (7. -' ; 0('- '9*' *(-.3:(7' *..1' ('' 7'6)' (7.' +9(9-.' 3' (7. -' :-/*,'H /6; /39*' /*' &.' 7/;.' *..3'7/*' ,-'2/264' .5/:::.-/(.)' (7.' *.3*9/6' .50.**.*' '+' 7 *' 0'93(-41.3' /*' 7.' 7/*' ,-'2/264').(6 *.)' (7.' ,9-(4' '+' =.-1/3' 1'-/6 (4' 79(' 7.') *0.-3.)' (7.' -./6' &./83.**.*' '+' '1.' (7.' 0-9*7 3:' (/5/('3' (7.' 0-9.6(4' '+' (7.' '++ 0 /6' 06/**' (7.' *.6+ *7' -/,/0 (4' '+' (7.' - 07' &7 07' 1/).' 1/34' '1/3*' &.60'1.' (7.' 791/3.-' -96.' '+' (7.' ='(7 0' 07 .+' 3' /3' /:.' '+' +.-0.' 3('6.-/30.' (' *' * 3:96/-' ('' +3)' /' /(7'6 0' .5('66 3:' (7.' *9,.-'-'; -(9.' '+' 1.3' &7'').3.)' (7.').(4' '+' 7-*(' .' ,-/*.*' 3'(' '364' (7.-' 07/*(' (4' 79(' (7.-'%9*(0.'(7.-'8 3)6 3.**' ('' '3.'/3'(7.-' .;.3' (7.-' ('6.-/30.' ('&/-)*' (7'*.' &7'' /3/(7.1/(*.)' (7.1' /*' 7.-.(0*$ 7.' 3;/*'3*' &.-.' (.-- 26.' 3' (7.-' 3.; (/26.' *6/9:7(.-' /3)' -/, 3.' E9(' (7.4' &.-.' 3'(' 3./-64' *'' (.-- 26.' /*' (7.' -'(' '+' :-'**' ; 0.' /3)' *7/1.6.**' ',,-.** '3' '+' &7 07' (7.4' &.-.' (7.').*.-;.)' ,93*71.3(' /6; /39*' 7/*' 3'' +/ (7' 3' (7.' *(/2 6 (4' '+' '1/3' :';.-31.3(' '-' 3' (7.' +9(9-.' '+' '1/3' *'0.(4' 7.' /30.3(' .,92 0' 7.' */4*N' &/*' *(-'3:' /3)' &./6(74' 2.0/9*.' (*' 0 (O.3*').*, *.)' &./6(7' /3)' 6959-4' /3)' &.-.' -./)4' ('' */0-+0.' .;.-4(7 3:'+'-' (7.' (/(.' E9(' 3' 7 *' '&3' (1.' (7.' ,926 0' (-./* 9-4' *' .1,(4' &7 6.' (7.' -07' /-.' :-'& 3:')/ 64' -07.-' /3)' 1'-.'-/,/0 '9*' 7-*(/3 (4' 7/*' +/ 6.)' ('' -.:.3.-/(.' (7.' '1/3' &'-6)' 7.' +9(9-.' 2.6'3:*' ('' (7.' 2/-2/-/3*

7.' 6/*(' /9(7'-(4' ('' &7'1' &.' *7/66' -.+.-' '3' (7.' *92%.0(' '+' (7 *' 07/,(.-' *' ,'66 3/-*')'3 9*' '+' 9;.-:3.' *' &'-8*' 7/;.' 2..3' /6-./)4' 9*.)' +'-' (7.' 6 :7(' &7 07' (7.4' (7-'&' '3' (7.' 6 +.' '+' (7/(' &./6(74' /3)' 3'26.' 06/**' &7 07' /6; /39*' ';.-&7.61*' & (7' 7 *' /3/(7.1/*' .'(9-3' ('' (7.1' '30.' 1'-.' (') *0';.-&7/(' &.-.' (7.' ; .&*' /3)' +..6 3:*' '+' /' :-./(' /-*('0-/(' -.:/-).)' /6*'' /*' (7.' +'-.1'*(' 6 (.-/-4' 1/3' '+' *' /:.' /2'9(' (7.' 3.&' 2/-2/-/3' ,'&.-*' 93).-' &7'*.'*7/)'&

' 4 ' G- ' 4 ' 'WI'LQN' ' ' ' FF' 9)K L C' @L@@) C' P) D' Q CCD' D)N' @')F D@ C' b) M?F L C'' .O CL?O)' DU C N)NQC' R@?E' O)QOD DC' D)@' EDQ@' M?@?) D@' ' ' RQ' E DC' DCCD' @?FDK)@' LQN' ?N@)' ' 1' G[' XX' @C' ? D')@ RQ C' CL F LD' C QLF)' ')E' L?N NQ@)' FF C' O CL)D' Q)' C' 9)K C DN?FQND@ E' L?@ D D@ ' D L

7 *' 6 +.' &/*' ,/**.)' /3)' /2'9(' (7/(' 1 ,.- /6' ,'&.-' (7-..' '+' &7'*.'6/*(' 7'6).-*' 7.' 0.6.2-/(.)' '3' (7. -' /00.** '3' .(' 3' *, (.' '+' 7 *' :-./(' /);/3(/:.*' /*' /3' '2*.-;.-' &.' 19*(' 3'(' ,-'1 *.' '9-*.6;.*'('' 1907' 7.6,'+-'1')'3 9*' 3' '9-', ,-.*.3(' 3C9 -4' .' 7/*' 3'(' (7.' 7 *('- /3<*' '-' *(/(.*1/3<*' 2-./)(7' '+'; .&' .' 7/*' 3'(' (7.') .(/071.3(' '+' 1 .3' 6 8.' -'* 9*' /3)' /6; /39*

)'3 9*' 2.6'3:*' ('' /') ++.-.3(' &'-6)' +-'1' (7/(' '+' -'* 9*' /3)' /6; /39*' .' 7/*' 3'(' (7. -' 0'3*91 3:' ./-3.*(3.**' /3)' *.-'9*3.**' '+', 9-,'*.' .' &/*' /' :'')' ,/(-'(' /3)' 3' 7 *' 6/(.-' 4./-*' /').;'(.)' 2 *7',F 4.(' 7.' 3.;.-' 0./*.)' (''2.' (7.' :-/3)' *. :3.9-' 2.6 .; 3:' 3' 7 *' '&3' '-).-' & (7' 1 ,6 0 (' +/ (7' *7/- 3:' (''(7.' +966' /66' (*' 6';.' '+' *(/(.6 3.**' /3)' *,6.3)'9-' /3)' (*' ,/** '3' +'-' 7 :7' ,6/0.' /3)') *(30('3' 2';.' /66' 7.' *' .**.3(/664' /' 6 (.-/-4' 1/3' '+' (7.' *(/1,' &7 07' (7/(' /:.' '+').0/).30.' 1'*(' /)1 -.)' .' *' /' *(46 *(' 3'(' /' (7 38.-' '-' 3C9 -.-' 7.-.' *' 6((6.')'92(' (7/(' 7.';/69.)' 7 *' '&3' 0'1,'*('3*' 3'(' +'-' (7. -' *92*(/30.' 29(' +'-' (7'*.' 07/-/0(.-> *(0*' '+' *(46.' &7 07' &.' 3'&' (7 38' 1'*(' &'-(76.**' '-' .;.3' -.,96*;.' 3' (7.1' (7.' 07 6) *7' 0'30. (*' (7.' 1./3 3:6.**' /3> ((7.*.*' (7.' ('-(9-.' /,,6 .)' (''6/3:9/:.' *'' /*' ('' : ;.' /3' / -' '+' 3(.-.*(' /3)') *(30('3' (''(7.' (- ; /6' 0'1 1'3,6/0.' '+' /' 0'6'9-6.**' /3)' 1'3'('3'9*' .5 *(.30.' (7.' 0-'&) 3:' -.1 3 *> 0.30.*' '+' 7 *('-4' /3)' 14(7'6':4' /,,6 .)' (''07/-/0(.-*' /3)' *(9/('3*'-.1'(.'+-'1'/34'&'-6)' '+' 1 -/06.' '-'-'1/30.' .(' 3' *, (.' '+' /66' (*' ;0.*'(7 *' 1 39(.'&'-),/3(3:' 7/*' *'1.' ;/69.'(''(7.' 7 *('- /3' (' .3/26.*' 7 1'('' -.;;.' (7.' , 0(9-.' '+'=/66' '1/3 6 +.' 3'(7.' .;.3 3:' 2:7(' 2.+'-.')/-83.**+ 3/664' *.((6.*' '3'(7.' .*(' (' /6*'' : ;.*' 9*' /';;)' :6 1,*.' '+'(7.' *'0 .(4' '+'(7.'0/, (/6' 3'(7.' 4./-*' &7 07' +'66'&.)' (*' 0/,(9-.' 24'(7.' /3)/6*' 2';.' /66'(7'9:7')'3 9*' 7/*' 3'';.-4':-./(' 3*:7(' 3(''(7.'-./6' 1./3 3:' '+' .;.3(*' 7.' 7/*' 6.+(' 9*' /'*.-.*' '+', 0(9-.*' '+'(7.' =.-1/3*'(7.' 1 39(.'+/ (7+963.**' /3)'-./6*(' 0' (-9(7' '+' &7 07' 0/3' 7/-)64' 2.' .5/:::.-/(.)

7.' ./-64' 6 +.' /3)' /**'0 /('3*' '+')'3 9*' :/;.' 7 1' ,.096/-' /);/3(/:.*' +'-'(7.'*(9)4' '+'(7.'2/-2/-/3*' +.;.3' 4./-*' 2.+'-.'7 *' 2 -(7' (7.' * :'(7*' 7/)' '2(/3.)' /' *.((6.1.3(' 3' C9 (/3.$' 9-3:' 7 *' 2'47'')' /3)' 4'9(7' (7.4' &.-.

' 5 ?CO' (0 ')E')' GI' ?@' 6)FF)' E))' D')E' M)K)QEQN' CD' 7)@ QC' O) L?C' O)LDN' N)' LQ@ LQ@E)',RQ)@)

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'(7.-7/3) *3/-(*(3&'-)*/6(7'9:7 7*/-(*;.-4,.-;.-*./3)0'--9,(/3)7.,6./*.* 7 1*. & (7 1 0-'*0', 0+).6(4'+).(/6 3-.3).-3:(7 1 39(.*(,74*0/6(-/(*'(7.)-.**/3)7/2(*'+(7.*.-/0.*('&/-)*&7'1 7.+.6(/('30.09 '*(4/3)+/*()'9*)*68.+7.))3'(&(3.**(7.:-./(*(-9::6.&(7(7./-14'+((6/3VX!7./7/),-'2/264'+(.3*..3(7. 93(-'',.-*&(7&7'*./)(.(9*/3) ('-9*$ 3 1/34/2/((6.+-'1(7. 7 3.('(7.=/-'33.8.,(7 2/-2/-/3*/(2/4+'-4./-*/3) 3(7. /3.:4-0'3 3> (7.1 9*M&.0/3/61'*(7./-(7.-9*7'+(7/(.--26.0/;/6-4&(7(7.-+6/((.3.)3'*.*/3)0/;.-3'9*4.(,.-0 3:.4.*6./3+6/38.)/3)2-'/)'+07.*('2.*(-)3:(7.-7'-*.*/*+7'-*./3)1/3&.-.'3. 7.-.*3'(/(-2.&6 07'0-'**.)(7. 7 3.'-7/--.)(7.0'/*(*'+=/96 3'(7'*.4./-*N&7'*.+./(9-.*'-.C9,1.3(*3'(+6/*7.)'3'9* 3*'1.;;)',7-/*. 7.E9-:93)/3*&7'.*(/26*7.)(7.1*.6;.* 3 7*3/(;. 4'3*&.-.'3'(7.&7'6.+-.3)64 3.:72'9-* E9((7.4 7/)7/2(*&7 07'++.3).)(7.'(/*(./3)*.3*.*'+(7. '1/3:.3(6.>1/3 7.4:-./*.)(7.-7/-&(7-/30)29((.-M(7.4*9*>(/3.)(7.-:/3(0 2968 24-/;.3'9* +..)3:'3(7.1'*(93*/;'9-4 1.**.*/3)(7.4).+.3.)(7.-:9.*(&(7(7./-*73.**/3)6'9)3.** '+(7.-;'0.* 7.+.-0. .-96/3 93-;/66.)+'-*,..) 3-933 3:7/* 7 *07..8*(/((''.)/ 269*7:-..3 6 8.(7.0'6'9-'+(7.&/;.*N '9*..'(7.='(7 0.6).-* (-'',3:('(7.0'930 6 3:/-1.3(* '+& 6)2./*(*<*8 3*+/66 3:*0/-0.64('(7.83..N .-0.*(/3)1'*()/-3:'+/66 *(7. /5'3-/3:3:/6'3:(7.E-.('3 0'/*(* 3 7* 0'-/06.'+7).*& (7 7* 269.+./-6.** .4.*.;.-'/,,./-> 3:&7.3 6./*(.5,.0(.);/3*7 3:/**9)).364/* 7.0/1.+'-&7'1*7 ,&-.08 7/* 3'(.--'-*('&7'1(7.*./* */+/1 6/-0'1,/3 '3 &7'29(07.-* 7* 0/,(;.* ('(+4 7* :')*<$ 7. -/38*(/3)* '9('3(7.0/3;/*N&(7 7* 269.:-/4.4.* /3)4.66'&7/-7* 06./3*7/;.)+/0. /3)7* (:7(*7'-((93 0)'3 9* 7/),-'2/264*..3&(7 7* '&3.4.* (7/(,0(9-.*C9.&.)) 3:,-'0.** '3N 3&7 07(7.,-30.64 4'93:

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.(' 3' *, (.' '+' (7.' ; ;)3.**' '+' (7.*.' *8.(07.*' '+' 2/-2/- /3' 6 +.' (7.' *(9).3(' &7'' .5,.0(*' (' + 3)' 3')'3 9*' O6./-' /3)').+ 3 (.' %9):1.3(*' '3' (7.' -.6/('3*' '+' (7.' .*(.-3' 1, -.' (' (*' 3.&' :9.*(*' '-' 3;/).-*' '-' +'-.0/*(*' '+' (*' +9(9-.' & 66' +'-' (7.' 1'*(' ,/-(' 2.')''1.)' (') */,,' 3(1.3(' 7.-.' /-.' 3)..)' 3' (7.' /3.:4- 0*' /*' &.' *7/66' *..' ,-.*.3(64' '00/*'3/6' +6/*7.*' '+' ,'6 (0/6' 3* :7(' E9(' (7.' 6.((.-*' /-.' * 3:96/-64' 2/--.3' '+' -.+6.0('3' '-' 3+'-1/('3' '3' (7.' :-./(' ,.-6*' /3)' ,-'26.1*' '+' (7.' (1.' .3' 6 8.')'3 9*' &.-.' +/-' 1'-.' 3(.-.*(.)' 3' (7.-' +-.3)*7 ,*' (7.-' *'0 /6' ,6./*9-.*' /3)' (7.-' 6 (.-/-4' ,9-*9 (*' (7/3' 3' ,926 0' / /-*' 7.4' 7/;.' +/-' 1'-.' /12 ('3' (' & 3' /)1 -/('3' +'-' (7.-' ;.-4' ,.-;.-*.' 6 (.-/-4' .++'-(*' (7/3' (' */(*+4' (7.' 09-'*(4' '+' (7.' 7 *('-0/6' 3C9 -.-' '+' /' 6/(.-' /:.' .(' (7.' 6.((.-' '+')'3 9*' '3' (7.' '9-(' '+'

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=/66' '1/3*' 7/)' ='(7 0' /3)' ,'** 264' E9-:93) /3' *9,,'-(' 7/(')'3 9*' &/*')..,64' 3;'6;.)' 3' (7.' -.**(/30.' ('' /%'- /3' /,,./-*' +-'1' (7.' /3.:4- 0' '3' (7/(' 1,.-'-$' 3' &7 07' /*' 7.' +-/3864' 0'3+.**.*'(7.' ,'.(' 1/).' /' -.(9-3' +'-' (7.' 06.1.304' & (7' &7 07' 7.' &/*' (-./(.)' 24' (7.' 0'3C9.-'-' 7.' (-/0.*' '+' (7.' *(-9::6.' /-.' +/ 3(' /3)' +.&' E9(' (7.' 7-'3 06.*' (.66' 9*' '+' /' ,./0.' 0'3069).)' 2.(&..3' /%'- /3' /3)' 7.')'-0' /+(.-'/'2//((6.' 3' &7 07' (7.' ='(7*' &.-.').+./(.) M' /3)' &.' 6./-3' +-'1')'3 9*' (7/(' 4'3*' /3)' (7.' *9--'93) 3:' 0'93(-4' *9++.-.)' 7./; 64' 24' (7.' .57/9*('3' +'66'& 3:' '3'*.:.' /3)' ,66/:.' 7.' 26'&' &/*' /' 0-9*7 3:' '3.' /3)' (7.' :'')> 3/(9-.' '+' (7.' 0'3C9.-'-'(' (7.' ,/-(4' &7 07' 7/)' ',,'*.)' 7 1' 1/).' (7.' ; 0('-4' 0'1,6.(.N' .30.+'-(7')'3 9*' /2/3)'3.)' /66')-./1*' '+'9* 3:' (7.' ='(7*' 3' (7.' 3(.-.*(*' '+' =/66' '1/3' /12('3' 7.' /00.** '3' '+' 9-0' &7'' &/*' /(' '30.' 1'-.' -/,/0'9*' /3)' 1'-.' 3('6.-/3(' (7/3' 7*' ,-.).0.**'-' 06'9).)' /66' 7',.*' '+' 0'1 3:' ('' (.-1*' & (7' (7.' 3;/).-*' /(' 6./*(' 3' (7.' 1 3)' '+' /' 1/3' 6 8.')'3 9*' 7.' /((.1,(' '+' (7.' -.08> 6.**' ,-.+.0(' -;/3)9*' ('')'' *'' 1,6.)' /' *.;.-/30.' '+' =/96' +-'1' (7.' .1, -.' '+' 3(7.1 9*M'/3)' /' ,/-(('3' '+' (7.',-'; 30.' 2.(&..3' (7.' ='(7*' /3)' E9-:93) /3*')'3 9*' &/*' *(-/3:.' ('' */4' (7.' ,.-*'3/6'+-.3)' '+' -;/3)9*' /3)' /6(7'9:7' 7.' &/*' ,-.+.0(' '+' '1.' &7.3' -;/3)9*' &/*' (-.)' +'-' (-./*'3' 7.' :/;.' (7.' (-/('-' 7 *' '++0/6' 0'93(.3/30.' /3)' *9,,'-(N' 7 *' *' 93)'92(.)64' /' 26'(' '3' (7.' 07/-/0(.-' '+')'3 9*' /3)' (' *' 7/-)' ('' /00'93(' +'-' 7 *' 0'3)90(' .*,.0 /664' &7.3' &.' -.1.12.-' (7/(' '3/3(9*' .--.'69*' /' 06'*.' +-.3)' '+')'3 9*' &/*' (7.' 6./) 3:' ,-'*.09('-' '+' (7.' 096,-(' E9(' (7.' (7.'-4' (7/(' (7.' ,'.(' &/*' 3;'6;.)' 3' (7.' 3(-:9.*' '+' -;/3)9*' *'%9*(64') *0-.)(.)' 24' (7'*.' &7''83'&' 1'*(' '+' (7/(' '2*09-.',.-')' 7.'6/(.-' 4./-*' '+')'3 9*' &.-.' (-'926.)'124' (7.' -.,./(.)' /**/96(*' '+' (7.' * :'(7*' '3' (7.' 3).,.3).30.' '+' 9;.-:3.' .' &/*' 3'&

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2 *7',' '+'(7.') *(- 0(' /3)' 7/)' (7-'&3' 9,'3' 7 1' (7.')'926.')9(4' '+').+.3) 3:' 2'(7' (7.'6 2.-(4' /3)' (7.' +/ (7' '+'7 *' , .',6. ' .' *9++.-.)' , .-*'3/664' +'-' 7 *' ,/(- '(*1' 24' 1 , -*'31.3(' +'-' /' (1.' 3' (7.' +'-(-.**' '+' ; /' 3)' 7 *' 6/*(' -.0'-).)' 9((.-/30.' '3' ,'6 (0/6' *92%.0(*$' *' (7.' ,/(7.(0' /3)' ,'&.-+96').3930 /('3' '+'(7.' &./83.**' /3)' (-./07.-4' &7 07' /2/3)'3.)' 9;.-:3.'(''(7.' * :'(7* .(' 3' *, (.' '+'(7.' 7 :7' '++0 /6' *(/3) 3:' '+')'3 9*' /3)' 7 *' .5,.- .30.' '+' (7.' :-./(' &'-6)' 7 *' 6.((.-*' (.66' 9*' +/-' 6.**' /2'9(' (7.' :.3.-/6' 0'9-*.' '+' :';.-31.3(' /3)' (7.' +'-(93.*' '+' (7.' 1 , -.' (7/3' &.' *7'96)' 7/;.' .5,.0(.)' 7 *' *' *,.0 /664' 1/-8.)' 3' (7'*.' 6.((.-*' '(7.-& *.' ;.-4' 3(.-.*(3:' 3' &7 07' 7.').*0-2.*' 7 *' *.0'3)' ; *(' ('' '1.' 3' V@ M' *' *''3' /*' (' &/*' 83'&3' 3' =/96' (7/(' 3(7.1 9*' 7/)' 2..3' -/ *.)'('' (7.' (7-'3.' '+'(7.' .*(' (7.' 6./).-*').(.-1 3.)' ('' *.3)' /') . ,9(/> ('3' ('' 6/4' 2.+'-.' (7.' 3.&' 1 , .-'-' (7.' 0'3) ('3' '+' (7.' , -'; 30.' (7-./(.3.)' 24' (7.' C9 .(' /) ;/30.' '+'(7.' E9-:93) /3*' /3)' 1'-.' ' , .364' 7/-/**.)' /3)' /**/ 6.)' 24' (7.' /12 ('9*' /3)' 3('6.-/3(' 8 3:' '+'(7.' * :'(7*' 7.' 1/6/)1 3 *(-/('3' '+' (7.' '1/3' '++0 /6*' 7/)' /6*''' -./07.)' /' 7. :7(' &7 07' 7/)' 2.0'1.' /61''*(' 93.3)9-/26.')'3 9*' '3.' '+' (7.').,9(.*' -.0. ;.)' /3' 1 , .- /6' *911'3*' ('' '1.N' /')'091.3(' &7 07' .3/26.)' 7 1'('' 0'1 1/3)' (7.'+/0 6 (.*' '+'(7.' , '*(3:' *.-; 0.' '3' (7.' :-./(' -'/)*' /3)' - ;.-*' '3' 7 *' %'9-3.4' .' *..' (7/(' (7/(' *.-; 0.M' 3' *, (.' '+' /66' (7.') *'-:/3 */('3').*0-2.)' 3' (7.' ').N' &/*' *(66' 93 3(.--9,(.)' 2.(&..3' 4'3*' /3)' '1.' 7.-.' *' 3'(' /'7 3(' 3' (7.' 6.((.-' '+' /34' (-/0.' '+' (7.' .++.0(' '+' (7.' 3;/* '3*' /3)' (-'926.*' '+' (7.' (1.' 7.' &-(.-<*' 1 3)' *'009, .)' & (7' 14(7'6': 0/6' /3)' 7 *('-0/6' -.1 3 *0.30.*' '-' (7.' 07/-1' '+' *(-./1' /3)' &'')6/3)' *' 7.' *7''(*' '3' /' *& +(' 2/-:.')'&3' (7.' 'N' 7.' (7 38*' '+' (7.' * *(.-*' '+' 7/.(7'3')-',, 3:'(./-*' '+' /12.-' '-' '+'(7.' (4-9*' '+' -: 6<*').0 - ' .' *' 07/-1.)' & (7' (7.' 0'30.-(' '+' 2 -)*' &7'*.' *'93)*' +6'/(' ('' 7 1' +-'1' *.):.' /3)' 2-/8.F' 29(' 7.' *..1*' 3.;.-' ('' 7/;.' 7/)' (7'9:7(' '+'(7.' 6.: '3*' &7''* 5(4' 4./-*' 2.+'-.' 19*(.-.)

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'3' (7'*.' - ;.-' E/38*' 93).-' (07'' ('' ',,'*.' (7.' 7'-).*' '+' E/-2/-*1' 7.3' 7.' 0'1.*' ('' /;.33/' 7.' 0/3').*0-2.' & (7' (7.' ; ;)3.**' '+' &/3('3' /3((7.**$' (*' 2/)' &/(.-' /3)' .3)6.**' 0/3/6*' (*' (-/) 3:' 1'38*' (*' 29-:6/-*' /3)' *6..,4' 1/: *(-/(.*' 29(' (7.-.' *' 3'(' /' &'-)' '+' /;.33/' &7.3' (' &/*' (7.' *./(' '+' .1, -.' /3)' (7.' *7.6(.-' '+' (7.' 1,.-'-' 3'(' /' &'-)' /2'9(' (7.' (-/:0')./(7' '+' (7.' :-./(' *(/(.*1/3' /3)' &/-- '-' &7'' +.66' /' ; 0(1' (''(7.' 26 3)' 7/(-.)' '+' (7.' -/0.*' /3)' +/ (7*' &7 07' 7.' & *7.)' (''-.0'30 6.' /3)' &/*' 69-.)' (''7*')''1' +-'1' 7*' /*4691' /(' (7.' /6(/-' '+' 7-*(M' 7.3')'3 9*' /--;.)' /(' '1.' 3(7.1 9*' &/*' /2'9(' (''/**91.' (7.'0'3*96*7 ,'/3)' (7.'1/--/:.'+'7*')/9:7(.-' & (7' 0 1.-' (7.'=.-1/3'1/*(.-'+'(7.'/-14'&/*'/2'9(' (''2.'0.6.2-/(.)' (' &/*' '364'(&.6;.'4./-*' * 30.'(7.'0 (4'7/)' 2..3' */08.)' 24'(7.' /3)/6*'/3)'E.-2.-*' '-'+'9-(..3')/4*' ('7/)' 2..3': ;.3'9,'('' + -.'/3)'*&'-)N' 6(7'9:7'(7.'/0(9/6')/1/:.'(''(,926 0'29 6)' 3:*'/3)' 1'391.3(*'&/*'7/-)64'*907'/*' (''%9*(+4'(7.'-.,-'/07' 1 1'-(/6*.)' 3' (7.'&'-)' Q /3)/6*1 R' 4.(' (7.' 6'**' /3)').*(-90('3' '+' 1';/26.' &./6(7' 19*(' 7/;.' 2..3' .3'-1'9*' ='6)' /3)' *6;.-' ,6/(.' +-'1' (7.' *.3/('- /6' ,/6/0.*' /30 .3(' *(/(9.*' '+' 30/6096/26.'/-(*(0' ;/69.'(7.'*/0-.)' ;.**.6*' '+' (7.' B.& *7' (.1,6.' &7 07' 7/)' 2..3' 93) *(9-2.)' * 30.' (7.' (1.' '+' (9*' /6'3:' & (7' 0-'&)*' '+' 3'26.' 0/,(;.*' &.-.' 0/-- .)' 2/08' ('' +- 0/' .(' 3' (7*' 6.((.-' '+')'3 9*' (7.-.' *' 3'(' /' 7 3(' '+' /' (7*' -.0.3(' -9 3' 7.' *'0 /6' *4*(.1' '+' '1.' /,,./-*' (''2.' -1*7/8.3' /3)' 9307/3:.)' 7.' *0.3.*' '+' ,926 0' -.*'-(' /3)' /19*.1.3(' (7.' (7./(-.*' /3)' 1/-8.(*' (7.' (.1,6.*' /3)' +'-91*' 7/;.' (7.' / -' '+' /30 .3(' ,./0.' 7.' :-./(' 0 (4' *' '3 ' 7.'6/& 0'9-(*' 7/;.'*9*,.3).)' (7. -' *((3:* M' /66' 29* 3.**' *' /(' /' *(/3)*(66J' (7.' &7'6.' ,',96/('3' *..1' (''2.' 2.3(' '3' 1/8 3:' 7'6)/4$')'3 9*' *' -.0. ;.)' 24' /3' /30 .3(' ,-.+.0(' 3/1.)' /969*'&7''6 8.'7*' :9.*('0/-.)' 1'-.' +'-' .6/2'-/(.';.-*. 1/8 3:'/3)' (9-3*' '+',7-/*.' (7/3' +'-',926 0

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93 (.) = '(7 /3) = /66' '1/3 3 /0'11'3 .++'-(('*/;. (7. 1, -. /('30.+-'1 (* '&3 &./83.** /3) +-'1 (7. /3)/6$ 7. *8 3 06/) *C9/)-'3*' 93).- 7 * 6./).-*7 , & 66 '30. 1'-. +'66'& (7. (393,.(* '1. /* (7.4)) '3 (7. /(/6/93 /3 ,6/ 3*$ 7.-. *) '92(6.**'69) 0-'9*.5/::.-/('3 3 (7. &'-)* 3 &7 07 (7. = '(7 0 6'3:.5,-.**.* 7 * & *7 ('* & , . '9((7. 26'('3 7 * /30.*('-<* +/1. 3 7/;3:; '6/(.) (7. */0-.) 0 (4 N . (')'3 9* 7/* /+(.- / '3644 ,9(3 -7.('-0/6 +'-1 (7. /)1 -/('3 +'- '1.$ /3) (7. & *7 ('* *.-;. 7.- .5,-.**.) 24 (/96,79* ('* 7 * '1/3 7'*('+ /-2'33. /00'-) 3: ('* (7. (/6. 3/--/(.) 24 -'*9*N 3 *, (. '+ /66 (7. - -/;/:.* (7. = '(7*)) -.0':3 *. (7. *9,.> - '-(4 /3) *90.-/3(4 '+ '1. 7.4 7/) +'9:7(+'-' 7.- /:/3*(9.;. /3) /3)/6 3 ,/3 7.4 7/) */;.) = /96 +'- 7.- +-'1 ((6/ 3).- / = /66 0 ,-30. (7.4 &.-. -./)4 '30. 1'-. ('* 6.3) (7. - *&'-)* ('* -.*09. 7.- +-'1 (7. -9 3 &7 07 *..1.) ('* 2. 1,.3) 3: 7. 07-'3 06.- * - :7(3 */4 3: (7/(; (9* &/* -/*.) ('* (7. 1,.- /6 (7-'3. 24 (7. 93 (.) ;'0. '+ (7. = '(7* /3) (7. 0 0 , '+ '1/3 = /96 N 3) (* (7. 0'3+.** '3 '+ (7. &./83.** '+ '1. /3) (7. -.;.6/('3 '+ (7 * 93 '3 '+ +..6 3: 2.(&..3 ,-'; 30 /6 /3) 2/-2/- /3 &7 07 : ;.* (* 7 *('-0/6 ;/69. ('* (7. /3.:4-0 '3 ; (9*

7. *,..)4 +/66 '+ ; (9* &7'' ,-';.) *'' 93&'-(74 '+ (7. .96': .* '+ 7 * *'3 3 6/&) */,,'3(.) (7. /12('9* '-, /(- '(0 7',.* '+)'3 9* /3) (7. = /66 0 ,/-(4 7.4 1/). /3 /2'-(;. /((.1,(& (7 (7. /) '+ (7. = '(7* /3) E9-:93) /3* ('* *.(9, /3'(7.- .1,.-'- 3 (7. ,.-*'3 '+ /-0.66 39*$ /2-66 /3(* *'6) .- &7'' 7/) +'9:7(24 (7. *). '+ .(9*N /3) '3 7 *).//(7 6 8. .:) 9* 3 '-(7.-3 = /96 .*(/26*7.) /3 /61'*(3).,.3).3(,-30 ,/6 (4 3 /61/(/ 4'3* &/* (7. 0.3(-. '+ (7. 3.& = /66 0 1';.1.3(/3) *9++.-.) *.;.-.64 3 (7. *(-9::6. &7 07 +'66'&.) (7. /00.** '3

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'+ /%'- /3 $ 7/(:-./(*'6) .- /3) +/- * :7(.) *(/(.*1/3 &/*) ;.-(.) +'-(7.1'1.3(+-'1'7 *'*9,-.1.(/*8'+0-9*7 3:(7. /3)/6','&.- .0-'**.)(7. 6,*' 3'VX" ').+./(.)(7. ='(7**/3) 3+60(.) /'7./;4'07/*(*.1.3(''3' 4'3*$ (*(.-- ('-4'&/*-/;/:.)'/3)(7.0'1193(4'7/)('2./-'/'7./;4'+3.'3'(7.*7/,.'+' 30-./*.)(-29(.'&707'7'&.;.-'(7.06.1.304'+'(7.';0('-'/+(.-&/-)*'-.1((.)')'39*'/('3.)+'-'7*'*7/-.'3'(7.*.'.;.3(*'24'/'/3.:4-0'3'(7.'3.&' 1,.-'-'2.+'-./':-./('0'30'9-*.'/(' 4'3*'&7.3'(7.')*(-0('7/)'-.(9-3.)('(*'&'3(.)(-/3C9 66(4

7.',.0.'7/*'3'('(7.('3.'+',.** 1*1'/2'9('(7.' 1,-.'&707'07/-/0(.-*.*'(7.'/3.:4-0'3';(9*' '1.'(7.'&/--'-'C9..3'+'(7./-(7'*'*./(.)'3'7.-'(7-'3.'06/)'3',9-,6.'-'2.*'29('/-1.)'/*'&.66N' 3'7.-'7.61.('-*.*'/')/).1'+'('&.-*F' 7.-'6.+('/-1'2./-*'/'*7.6)'26/0'3.)'&(7'(7.'6.:.3)*'+'7.-'3+/304'7.-'-:7('9,6+(*'/'6/30.''+'';'-4'(7/('7/*')-938'(7.'26'')''+'1.3' 66'7.-',-'; 30.*'+-'1'(7.'-.1'(.*('/*('/-.','9-3:'(7.-',.096/-'(-./*9-.*'/('7.-'+..(' E.+'-.'7.-'+-0/'+63:*'7.-*.6+'3'*9,,6>0/('3$G +-0/'3'&'(7.',-.4'+'/'2-:/3)N'(7.'*'3''+'/*6/;.:-6'&7'*.';'6.30.'*'364'*'+(.3.)'24'93/009*('1.)'6959-4N' 7.'1'9-3*'7.-'6)'+/(.)'C9/--.6'&(7''1.$'/3)'2.:*'('2.').6;.-.)'+-'1'7.-','-.**'-' 7.'.3.-:4''+'/(91'*'*6912.-3:'29('1.'7/*'/6&/4*'2..3':-/3).*('3'/);.-*(4' .-'+'-(93.'8..,*'*6..,6.**'&/(07'.;.3'&(7'9('/*'6).-N' '1.'7/*'3'&'/'&/--'-'&7'1'(7./:.*'*911'3'/*'+((.*('+'-'(7.'(/*8' +'/'&/-68.*('08N'7.'7/*'2..3'(7.'-;/6''+'.(9*'3'1/34'/')1'0'12/('3'(7.'-;.-*'+'(7.'3'-(7'/:/3*('(7.'07;/6-4''+'(7.'-/38*$N' .'7/*'/6-./)4'*&.,('(7.'/3)/6*/3)'(7.''-*'+-'1'(7.'*7'-.*'+' /1,/3/$M

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/ % ' - / 3 ' (7 . ' Q 4 ' 93 : ' / - 0 . 669 * R' ' +' (7 . ' 6 / *(' 4 . / - *' ' +' (7 . ' .*(. - 3' 1 , - . ' & (7' / 66' 7 *' ' 6) ' ' 1 / 3' *, - (' / 3) ' *(/ (. *> 1 / 36 8 . ' 3* : 7 (' + / 6 .) ' 3' 7 *' 1 ** ' 3 ' / 3) ' & / *' (- . / 07 . - ' 9 *64' *6 / 3' 24' 0 1 . - ' / % ' - / 3' 3 (. 3) .) ' (' ' & . 6) ' (7 . ' +966' + ' - 0 . ' ' +' (7 . ' (/ (. ' / (' ' 30 . ' / : / 3 *(' (7 . ' / 3) / 6 *' / 3) ' / : / 3 *(' (7 . ' ' , , - . *> * ' 3' / 3) ' 0 ' - - 9 , (' 3' & 7 07' & . - . ' . / (3 : ' ' 9 (' (7 . ' 7 . / - (' ' +' *' 0 . (4' E 9 (' (7 *' 3) . , . 3) . 30 . ')) ' 3 ' (' *9 (' (7 . ' / 1 2 (' 3' ' +' (7 . ' 9 . ; . ' *' 6) . -' ' +' + ' - (93 . ' & 7 ' ' 3 ' & ' , - / 0 (0 / 664' - 96 .) ' (7 . ' 1 , - . ' / 3) ' & 7 ' ' . (7 . -' 8 66 .) ' ' -') . (7 - ' 3 .) ' + ' 9 - ' *900 . ** ; . ' . 1 , . - ' - * N' 3' (7 . ' + / 66' ' +' / % ' - / 3' 7 . ' *. (' 9 , ' . ; . - 9 *' (7 . ' 1 ' *(' ' 2 *09 - . ' / 3) ' *7 /) ' & 4' ' +' (7 . ' 1 , . - ' -*' ' +' (7 . ' . *(N' ' -' . : 7 (. . 3' 1 ' 3 (7 *' / +(. -' (7 . ' + / 66' ' +' . ; . - 9 *' (7 . ' (7 - ' 3 . ' & / *' ; / 0 / 3 (' 7 . ' Q 93 / 3 > 1 (4 R' ' +' (7 . ' (& ' ' . 1 , - . *' & / *' 2 - ' 8 . 3 ' / 3) ' 0 1 . -' & / *

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P@?) Q ') EMQL' E?N @ C' P@?) RQD' CD
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0) F4)' L?@ @Q) RQ) NR) N' C ' F) CC)' KQ)
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7) C F @C ' - ? D' @' O) LQF) ' MD' DX
C) @ ' ?@' MD' QCD' ? ' MD' O?C @P
CD LD') @E' ?@' MD' DU) L ?@C' ? ' L?N '
OQFC? DC' 1) @T' ? MD ' @?EDC' ? ' DU) LX
?@') D' L?@EDN @DE' Q@ED ' CD D D'
OD@) F DC' ? ' ' \ ' 8D' @EQFPD@ C'
; DF RQ? QN ^' ' E) ' (0 ' 1) Y? '
) @QN' ED' J) FF C' DEDQ@ DN ' D ' / ?N) @?'
NOD ?' ?F @?N @ ' DC' @LLLCC) C'
? E Q) @ DN ' . DLM) D ' F ? D' OD L QC'
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1/*(.- '+ (6 . .*(E9((7. /3)/6 ,'&.- &/* *&..,3: '1/3 W'11.-0. +-'1 (7. *./* /3)).;/*(/(3: (7. &7'6. 0'/*('+ (7. .)(.--/3./3$ 7. .3/(. -'9*.) (*.6+ (' *.3) /).,9(/('3 (' .' 1,6'-3: 7 1' (' : ;. (7.1 /3 .1,.-'- .' -.0'11.3).) 3(7.1 9* / E40/3(3. 3'26. '+ 7 :7 6 3./:. &7'' 7/) 1/-- .) 9,7.1 / (7.)/9:7(.- '+ .-0 /3FÑ /3) 0 1.- +-'1 &7/(.;.- 0/9*. 0'3*0 '9*3.** '+ ,'&.- '- 1'-. ,-'2/264) *1/4 /((7. ,'*('3 '+ /++/ -* /00.,(.) (7. 07'0. /3) (7. /--/3:.13(&/* (' 2. 0-'&3.) 24 7 * 1/-- /:. & (7 (7.)/9:7(.- '+ (7. 3.&64).* :3/(.) 1,.-'- (& /* '3 (7. '00/* '3 '+ 3(7.1 9* .3(.-3: '3 (7.'0'3*96*7 , /((7.'',.3 3: '+ V@"' (7/( )'3 9* /* &. 7/;. *..3 (7-'9:7 (7. 3+69.30. '+ E/* 6 9* '+'93) 7 1*.6+ +'- (7. (7 -) (1.07/-:.) & (7 (7. (/*8 '+).6 ;.-3: / ,/3.:4-0 '3 (7.3.& '009,/3('+ (7. (7-'3. N

(& /* / (/*8 '+ ,.096 /-) ++ 096(4 +'- *.;.-/6 -./*'3* 2'(7 ,926 0 /3) ,.-*'3/6 7. /00.** '3 '+ / Q =-..8 1,.-'-R (7'9:7 /0C9 .*0.) 3 24 (7. .3/(./3) 7/6.) & (7 * :3* '+ *9,.-+0 /6 .3(79* /*1 24 (7. ,.',6. & /* 4.(/ :-./(*7'08 (' '1/3 ,-). '-. (7/3 7/6+ / 0.3(9-4 2.+'-.'(7. /00.** '3 '+ 3(7.1 9* 6/9) /3 &7 ' :/;. 6 (.-/-4 9((.-/30. (' (7.).,.,*(+..6 3:* '+ (7. '6) '1/3 ,/-(4 Ñ .5,-.**.) /66 (* 7/(-.) /3) *0'-3 +'- (7. - ;/6 0/, (/6 /3) (* *.-; 6. /3) .++.1 3/(. 3'26.* Ñ (* 3'(3 /00'-)/30. & (7 791/3 3/(9-. (7/((7. /30 .3(7'1. '+ (7. 1 , -.*7'96) 7/;. 2.0'1. 6.** *.3* (;. /3) %./6'9* 3 (7. 4./-* &7 07 */& 7.-'6'* 3: '3. /+(.-/3'(7.- 7.- -07.*(,-'; 30.* 1'-. /3) 1'-. /((7. 1.-04 '+ 7.- 2/-2/- /3 1.-0.3/-.* /3) /(6/*(93).-(7. 7..6 '+ / 2/-2/- /3 :.3.-/6 E9(7.- 6./) 3: *, -(* &7'*. (7'9:7(*)'3 9* ,-'2/264 -.+6.0(* 19*(7/;. 2..3 +9664 0'3*0 '9* '+ (7. *(-/ (* ('' &7 07 (7. 0/, (/6 '+ (7. .*(7/) 2..3 -.)90.) 7. /,,./6 (' .' (' : ;. (7.1 / 3. &07 .+ &/* 3 (*. (7.1 '*(',.3 0'3+.** '3 '+ &./83.** . (' ('0.6.2-/(.*907 /3 '00/* '3 3 (7. ,-.*.30. '+ (7. 2.*(26'') '+ '1. & (7'9('++.3) 3:

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N 4)'DUL E QQ
'_B' 'B_'GI 'AG[
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M @' @' MD' 9? QN' ? '%)Y)@' \' D@) Q'
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' F)QE' @')- 05' ' G_W' A_'
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'1/3',-).'('''))..,64'&/*'/'(-4 3:'(/*8'/3)'(7.',/3.:4-*('
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&(7'/:.$'/3)'*7.'7/*'0./*.)'('&./-'7.-'/-1*' '1.'(7.'0(4'
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-.0':3*.'(7.'+/69-.'+'7.-'3/(;.',-30.*'/3)'('*..8'/'
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):3(4' 7.-.'*'(7.'6)' '1/3',-).'3'(7.'-.0(/6'+'
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)-/(0'('(7.' 9,7-/(.*M' E9('(7.-.'*'/6*''/'1'9-3+96('3.'
3'(7.'0'3+.**'3'(7/('(7*':-./('37.-(/30.'7/*',/**.)'+'-'
.;.-'+-'1'(7.'7/3)*'(7/('&'3'('' '1.'7/*-.*:3.)'/6'3:'
&(7'*''1/34',-';30.*'7.-''6)'/12('3'/3)'7.-',-).'+'
.1,-.' 7.'/*8*'3''1'-.'('(7-'&'7.-2-):.*';.-'(7.'
-/5.*''-'('7./-'7.-'(-91,.(*'*'93)'/('(7.':/(.*'+'E/0(-'/
/3)'E/246'3$' 7.')*'3''+'(7.' 1,-.'*'/3'.*(/26*7.)'
+/0(N' E9('(7.')*'3'3..)'3'('1./3')*0'-)' 3'(7.'
,-.*.30.'+'(7.'1.3/03:')2:.-'+-'1'/'7'*(6.' +-0/'
&707'7/*')'3.'&7/(' /-(7/:.'0'96)'3'('')''(7.'%./6'9*.*

' E'(,'' W[_
' '' WA_WAI'
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CDE')ND)'QKD)'C CDRQ)'DL
' 1'' WI
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LDO L Q@'O ?O ?'C?FQC'%U1)D'DODF4'
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L?DN' P QC')P
' 1'' BG
' 1'' G H
' 1'Q' BB'
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O?@?? E)@'F) LF)'O) D

'+' /*(' /3)' .*(' +/).' /&/4' 7. -' 93 (.)' 0'93*.6*' 1/4' 4.(' -.*('-.' (7.' +'-(93.*' '+' (7.' '1/3' &'-6)

)'3 9*' 7/)' /3' .;.3' 1'-.').6 0/(.' *92%.0(' (' ').//6' & (7' 3' (7.' /*0.3).304' '-' (4-/334' '+' 0 1.-' 7.' 2/-2/- /3' 1/*(.-' '+' (7.' .*(' 7/)').(7-'3.)' (7.' , '.(<*' +/(7.- 36/&' /3)' 0-9*7.)' (7.' 7', .*' '+' /%'- /3' .' 7/)' 8.,(' (7.' 1, .- /6' (7-'3.' ;/0/3(' +'-' 1/34' 1'3(7*' /3)' 7 *' , '6 04' &/*' ('' 09(' '++' (/64' +-'1' (7.' /*(.-3' 1, -.' .(' (' 19*(' 2.' /)1((.)' (7/(' (7.' , '.(<*' *8 66' &/*' 3'(' 93.C9/6' (''' (7.' (/*8' 0 1.-<*' -'4/6' 2-(7' *' /)-' (64' 9*.)' ('' .5,6/ 3' &74' (7.' 2/*. 2'-3' /3)/6' 8 3:' & 66' 3'(' 0'1.' ('' (.-1*' & (7'7 1 $' =.3*.- 0' 0/3> 3'(' +'-:.(' (7/(' (7.' :-/3)+/(7.-' '+'7 *' .3.14' 3+6 0(.)' /' 0-9*7> 3:').+./(' '3' (7.' /3)/6' 7'-).*' 3' , /3N' 3)' 0 1.-' 7/*' *7'&3' 7 1*.6+' &'-(74' '+' 7 *').*0.3(' +-'1' (7.' &/-6 8.' ='(7' .' 7/*' 2./(.3' (7.' /3)/6*' /(' :- :.3(91 N' 7.' (.--'-' '+' 7 *' 3/1.' 7'6)*' 2/08' (7.' *(-':'(7' 3' /33'3 /' /3)' (7.' -/38' '3' (7.' 7 3.M' .(' .;.3' 7 *' +'-0.' /3)' /9(7'- (4' 0/33'(' 0', .& (7' (7.')/3:.-*' '+' (7.' (1.' .' *' 3'(' /-1.)' & (7' (7.' 1/%.*(4' '+' /' ' 1/3' .1, .-'-' /3)' 3' (7.' 0/66' +'-' /' &/-- '-, -30.N' &7'' & 66' 2.' 7 *' '&3' :.3.-/6' &.' 0/3' & (7'9(' 1907') ++ 096(4') *0.-3' /' 0';.-(' 0.3*9-.' '3' (7.' ';.-&..3 3:' /12 ('3' '+' (7.' 1/3' &7'' &'96)' ('6./(.' '3' (7.' (7-'3.' 3'3.' 29(' /' 1.-.' 0-./(9-.' /3)' (''6' '+' 7 *' /12 ('3

3' (7 *' /((.1, (' (''-./6*.' (7.' +..6 3:' '+') ++.-.3(' *.0> ('3*' '+' (7.' '1/3' &'-6)' 3' (7.' ,-.*.30.' '+' (7.' 3;/).-*' &.' 7/;.' 7/)' ;.-4' ;/- '9*' /3*&.-*' (''' '9-' C9.*('3*' 7.' '1/3' &'-6)' &/*' &).' (7.' 0-091*(/30.*' '+' (*' ,-'; 30.*' &.-.' ;.-4') ++.-.3(' /3)' (7.-.' &/*' /3' 11.3*.' ;/- .(4' 3' (7.' 1/33.-' 3' &7 07' (7.' 3;/).-*' 2.7/;.)' (''' (7.' '1/3', ', 96/> ('3' 7.'*7'08' '+' (7.'+-*(' :-./(' 3-'/)' &/*' (-.1.3)'9*' 29(' '3' (7.' '(.-'7/3)' (7.-.' &.-.' 1/34' 0/9*.*' &7 07' -.)90.)' (7.' +'-0.' '+' (*' 1, /0(' 7.' 1'-/6' /*0.3).304' '+' '1.' 2'(7' ';.-' 7.-' *92%.0(*' /3)' 7.-' /**/6/3(*' &/*' 1/: 0/6' (' 3> *, -.)' 0'3+).30.' 3' (7.' '3.' .;.3' 3' (7.' 7'9-' '+' (7.')/-8.*(' 0- * *F' (' -.*(-/3.)' (7.' 1, .(9'9*' ; '6.30.' '+' (7.' '(7.-*' .;.3

' E' (, ' 'HB[
Q @'F D'RQ?E' / L ND DN'
@' DP@QN'EQ?' ?P N' ?L,@' ' ' '
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&7.3' '1.'*..1.)' ('2.' /(' (7.-' 1.-04' 7.' ,/:/3' 3'26.' &/*' 1';.)' 2'(7' 24' 7*' +/ (7' /3)' 7*' (-/) ('3/6' 6'-.' ('2.6.;.'(7/('(7.':')*'&7''7/)'6.)'(7.-'&'-*7 ,,.-*' ('*907'/ 2.3.+0.3('9*.''+'/'*&/4'&'3'24' %,-'0'.++'-('&'96)'3'('/66'&' *907'/'0/-..-' ('2.'/2-):.)' 7.' ,/:/3''+'/3'(7.-''-).-' */&'3'(7.'0/6/1 (.*''+'(7.' 1,-.''364'(7.'%9*(',93*71.3(' +'-'(7.'/2/3)'31.3('+'(7.'/30.*(-/6':')*' 3'(7.' 7-*(/3' *)'(7.-'&/*'3''':-./(.-'93/3 1(4' /34'&7'*.'+/(7'&/*' 3'(.C9/6'('*907'-9).'/**/96(*'/2/3)'3.)'/66'2.6.+'3'/' 0'3(-'66 3:' -';).30.' (7.-*'+'93)' 3'(7.'0/6/1 (.*''+M (7.'(1.'(7.'-:7(.'9*'/3)').*.-;.)',93*71.3('+'/'&'-6)' 3'1 3/664' 7-*(/3'29('-./664'(7.'*6/;.'+'(7.':-'**.*('; 0.' (7.-*'/:/3'0'1,/-3:'(7.',-.*.3('&(7'(7.',/*('(-.)'('0'3; 30.'(7.1*.6;.*'(7/('(7.-'&3'*9++.-3:*'&.-.'3'(7 3:'.50.,('3/6'3'(7.'7*('-4''+'(7.'&'-6)'/3)'7/)'/':6 1 1.-3:' ,-'*,.0('+'/'+9(9-.'3'&7 07' '1.'/3)'2/-2/-*1'096(9-.' /3)'+'-0.'&'96)'2.'-.0'30 6.)'3'/'3.&'/3)'2.((.-''-).-

)'3 9*'+-'1'(7.'0-091*(/30.*'+'7*'0/-..-'*(/3)*' /,/-('+-'1'(7.'-.*(' .'93(.)'1/34'*).*'+'(7/('/:.'+' (-/3*('3' .'&/*'/'&./6(74'3'26.'&7'*.'&7'6.'/**'0/('3*' /3)'(-/3 3:'3*,-.)'7 1'&(7'+/(7'3' 1 d' .'&/*'/6*''/' ,/(-'(0'=/96'&7''7/)'/*,-/('3*'+'-'(7.',6(0/6'+9(9-.'+' 7*'3/(;.',-';30.' .'7/)'/**'0/(.)'&(7'.1,.-'-*'/3)' 2'-3.'/':-./(,/-('3'(7.'*(/:.'+',926 0'6+.'/(' 1.' &7.3' 3'*,(.'+'/66'.5(.-3/6'(-'926.*''*'0/6'-'9(3.'&/*' 93)*(9-2.)'(7.'1/07 3.'+':';.-31.3('-/3'*1''(764'/3)' (7.'1/%.*(4'+'(7.':-./('0(4'*..1.)'*(66',-'9)'/3)'.-.0(' 3'(7.''(7.-'7/3)'+'7.'7/)'3'('*..3'(7.'+-*('3-'/)*'/(' (7.'2.:33 3:'+'(7.'0.3(9-4'7.'7/)'&(3.**.)'(7.'3;/*'3' '+'(7.'93*'3'VX!'(7.'0'3C9.*('+'+-0/'24'(7.'/3)/6*' /3)'(7.',/-/64**'+'(7.''1//'&'-6)'2'(7'3'(7./*('/3)' .*('0/9*.)'24'(7.-'0'11/3)'+'(7.'*./'-'1'7*./-6.*(' 4'9(7'7.'7/)'/6*''*..3'(7.'*:'(70'83:*'0/--43:'3'/' 0'1,/-/(;.64'0;6*.)'':';.-31.3('/('96'9*.''-'E'-)./95' *'1.(1.*'/((/083:'1/9'0(.*'29('/*'+(.3'+:7(3:'3'(7.' 0/9*.'+'1.'.'7/)'6.)'/'*.09-.'/3)',-'*,.-'9*'6+.'+'-' 4./-*'2.(&..3'(7.'*:'(70'/3)'E9-:93)/3'(.--('-.*'.' 7 1*.6+'/3)'1/34'+'7*'+-.3)*'7/)'2..3'3'+-.3)64'3(.-> 0'9-*.'&(7'(7.'=.-1/3*'7.'/3.:4-0*'/-.'(7.',-')90('3*' '+'7*'./-6.-'4./-*'2.+'-.'7.'7/)'/').+3.)'.006.*/*(0/6

,'* ('3 (7. :-./(1/**'+7 * .((.-* 2.6'3:('(7. (1. L&7.3 7.&/* (7.07 .+ ,/*('-'+ 9;.-:3. 3(7.+'-1.- &.7/;.-/(7.-(7. ;.&*'+(7./12('9*0'9-(.-&7'* 3('907&(7(7.:';.-3 3:06/**/3) -.+6.0(* (7.-).//* 3 (7.6/((.-&.7/;.(7.(7'9:7(*/3)6+.'+(7.*.3/('-/3) 079-07):3(/-4&7'*.-/3:. *-/(7.-2'93).)24(7. *'0/6'-.006.*/*(0/6 6+.'+7 * ,-';30. .7/;./6-./)4 *..3&7/(7.6.((.-*'+)'3 9*(.66 9*'+(7.'-)3/-4 6+.'+/ ,-';30/6*.3/('-3(7.*'0.(4'+7 *+-.3)*/3)(7. .3%'41.3('+7 *.*(/(. 3&7/(+'66'&*&.*7/66+3)(7.1 3'(6.**;/69/26./* / ,0(9-.'+ '1/3 6+. 3/)*(-0(&707 7/;3:2..3 6((6.(-'926.)24(* ='(70 3.:72'9-* +'-7/6+/0.3(9-4&/*/+(.-/:/66/3(-.**(/30.'0'1 ,.66.)('/00.,(7.-96. 3(7.06'*3:4./-*'+)'3 9*

/3)')6.3.**J' /3)' /' &.66'-).-.)' .*(/26*71.3(' &(7'(-'',*'+'
.-;/3('.6.:/3(' 2/3C9.(*'/3)'/-(*(0',6/(.' 3'7*'6/(.-'4./-*'
7.'7/)'2.0'1.').;'9(' /3)'-.:/-).)'(7.'.;.3(*'+'7*'(1.'
-/(7.-'/*'/',.-*'3/6')*0,63.'/3)'0/''('(7.'-.6:'9*'6+.' .'
0'123.*'3'+/0(' /(') ++.-.3(',.-')*'(&'(4,.*'+'07/-/0(.-'
&707'&.-.'0'11'3'3'(7.'-/38*'+'(7.' '1/3'3'26.'06/**F'
'3'(7.'3.'7/3)'(7.'1/3'&7'6'*.*'/66'/12('3'+'-'(7.'
)*(30('3*'+'(7.':-./('&'-6)'3'+/-13:'296)3:'793(3:'
/3)'(7.'*',-+0',6./*9-.*'+'(7.'0'93(-4F'3'(7.''(7.-'
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(7.'&'-6)'(7.'+'-(93.*'+'7*'+.66'&*'/3)'(7.'(.*'+'+/164'
6';.'3'(7.'.++'-('('*/;.'7*'&3'*'9N *',.'1'&/*'
&-((.3'/,,/-.3(641'-.'+'-'7*'&3'.)+0/('3'(7/3'+'-'(7.'
.36:7(.31.3('+','*(.-(4 .'0/3'(738'364'+'7*',.->
'3/6'+'-(93.'/3)'7*'*/6;/('3F29('(7*';.-4'0'30.3(-/('3'
'3'71*.6+'1/8.*'71'+'-'(7.'7*('-0/6'3C9-.-'*,.0/664'
;/69/26.' /9639*')*06'*.*'('9*'&(7'/61'*('*(/-(63:'
;;)3.**'(7.'.++.0(*'3'(7.'+/(.'+'3.':-./('7'9*.'+-*('+'
(7.';'6.3('3;/*'3*'+'(7.'9.;.*'/3)' /3)/6*'3'VA@'/3)'
(7.3'+'(7.'1'-.',./0.+96'009,/('3'+'E'-)./95'24'(7.'
:'(7.:7('4./-*'/+(.-&/-)*' 7.'+-*('+'(7.*.'.;.3(*'
'009--.)'3'(7.'(7-(.(7'4./-'+' /9639*N/3)')*(9-2.)'2*'
,6/0)'93/12('9*'.3%'41.3('+'(7.'.*(/(.*'&707'7/)'0'1.'
('7 1'24'7*'1/--/:.' .'1.3('3*'0/*9/664'(7.'6'**.*'
&707'7.'*9++.-.)'24'(7.'-/;/:.*'+'(7.'2/-2/-/3*'29('7.'
6/4*'1907'1'-.'*(-.**'3'(7.'+/164'(-'926.*'0/9*.)'24'7*'
+/(7.-<*').(/('/2'9('(7.'*/1.'(1.' ;).3(64'(7.')/1/:.'
+-'1'(7.'3;/*'3*'&/*'3'('; .-4'*.-'9*'+'-'/'+.&'4./-*'6/(.-'
/('(7.'(1.'+'(7.'='(70'009,/('3'7.'*,./8*'+'71*.6+/*'
.3%'43:'./*.'/3)'6959-4'/3)'1/3+'6)'26.**3:*M

'5)QF@'5DFF')-.'A[[AGB'

O?OD D'N K'FE)'O) ''
)'O))D'O?C'NO?@ED@E)'RQD
RQ)D'D'NM'L)')'@NC'CDNOD'Q'@PD@?RQD'
L?OP Q)'O @)'ND?'NDE?L')'EDC'ED)@''
O?UN)'EDF'L'C'D'?K')NK ?@D'D@?')'DL

$%MD'N?C'C) F@P'S@E'?'CO X
Q)F'CDF CM@DCC'C'?'KD'?Q@E'@'MD'
FD D C'?'' 5)QF@QC'-?F'DP')5'
'e'_'@D?DCC QE@DC@?C)DL)@)FDC'
RQ)@?'L) ?DC'@?K C'CQ@'')@?@?C'
E CD%L)@'D') P)@''?'1'?F?'
@RQ '?C'C@D')?FF L QE@D'DCCD'M?L'
DC'Q'@MF O)D D'8DQN'D'C)FQ DN

@?C)N'L?P DNQC' -)N'QU?'D' F '
RQ)NRQ)N' D' OC)' E @ QC' @?K C'
O P@?)'E)')'C@ ')ND@'P) CC N)'
LQ)NN'?@D)'CQ@ ' O@'M C'O @L OFD'
1DF)@)'C'O)CDE'?'@DPFDL @P'MD'
LM FE')5'UU U'e'I'@DN 'O) QFQN'
CQQN' D K?'Q'E L'C?FD ')FD@EQ@'
D QE D@EQN' QD@EQN' N)@E) D' E P'
@))'DC

(')- 'AWA
)Q1L)'D'O?C' @)'EDL?@ @'@?C F ''
MQC ?QC'@Q7"4?N)Q'@ CLD)'DPQ

'1'AHW'AH

U' 7.' '009, /('3' '+'E'-) . / 95' 24(7.' * : '(7*' 93) . -' (/ 96, 79*'
' 83' & 3' (/' 9' '364' +-' 1' (7.' -. , .0 ' 29(' (' *' '3.' '+'
(7.' 1' '*(' 3(.-.*(3:' :6 1, *.*' '+' (7.' 6 *('-4' '+' (7/(' /:.'
7.3' (/ 96, 79*' .3(.-.)' = / 96' 3' V ! [' 0/--4 3:' (7.' , - 30.**'
6/0) /' & (7' 7 1' 3' /3' 7'3'9-.)' 0/, (; (4' (' & '96)' /, , ./-'
2'(7' +-' 1' (7.' /9(7'- (.*' /3)' (7.' , -'2/2 6 (.*' '+' (7.' 0/*.'
(7/(' 7.' 0/1.' /*' /3' /664' '-' 6 .9(.3/3(' '+' '3'- 9* $' E9(' 7 *'
-.6/('3*' & (7' (7.' 1, .- /6' : '; .-31.3(' &.-.' +690(9/(3:' /3)'
, -.0/- '9*' 3' (7.' '3.' 7/3)' 0.-(/ 3' , -' 1 *.*' 7/)' 2..3'
1/).' ('' 7 1' '+' *9, , 6 .*' +'-' 7 *' (-'', * N' 3' (7.' '(7.-' 7/3)'
7 *' -.C9 * ('3*' & .-.' 1.(' 24').1/3)*' +'-' (7.' -.*('-/('3' '+' (7.'
1, .-'-<*' * *(.-' & 7' 1' '3*(/3(3*' (7.' :.3.-/6' '+' '3'- 9*'
06/ 1.)' +'-' 7 *' 2-).' '1.(1.*' (7.' = '(7 0' 8 3:' *.. 1*' ('
2.' /0(3:' /*' /' +/ (7+96' *.-; /3(' '+' '3'- 9*' /3)' /: / 3' 7.' *'
3' ', .3' 7'*(6 (4' ('' 7 1' 7.3' 7.' + -*(' /-- ; .)' 3' = / 96'
(/ 96, 79*' , -'0..).)' ('' 07.08' (7.' -/; /:.*' '+' (7.' -/38*' /3)'
E9-:93) /3*' & 7'' & .-.' , 66/: 3:' (7.' , -'; 30. M' 7.3' & 7.3'
B'; 39*' & /*' , -'06/ 1.)' 1, .-'-' /(' / 30' 24' = '/-' (7.' 6/3'
/3)' (7.' E9-:93) /3*' (' *' */)' (7/(' /(' (7.' 3*(:/('3' '+' (7.'
.5 1, .-'-' ((/ 3*' (7.' = '(7*' *9, , '-(.)' (7.' 1';. 1.3(M'
E9(' & (7 3' /' 4./-' (7.4' (9-3.)' (7. -' /-1*' /:/ 3*(' B'; 39*'
2.* .:.)' 7 1' 3' /6.3(/ ' /3)' 7/3).)' 7 1' ';.-' (''' 3'- 9* N'
30.' 1'-.' (/ 96, 79*').1/3).)' 7 *' , -'1 *.)' *9, , 6 .*' /3)'
'30.' 1'-.' (7.' '1/3' '++ 0 /6*' & 7'' & .-.' C9 (.' 93/26.' (''
+9-3 *7' (7.1' -.3.&.)' (7. -').1/3)' +'-' (7.' *9--.3).-' '+'
6/0) /' 7.' = '(7*' , -'2/264' ('' ', .3' 0'1 1 93 0/('3' & (7'
(7.' *./' /((.1, (.)' (''*9-, -*.' (7.' :-./(' , '-(' '+' /-*. 66.*F' N'
29(' (7.4' & .-.' +' 6.)' 24' (7.' .3.-:4' '+' '93(' E'3 +/0.' & 7''
..1' (''7/;.' 7/)' /' , .-*'3/6' .30'93(.-' & (7' (/ 96, 79*' 3'
& 7 07' (7.' = '(7 0' 07 .+' & /*' & '93).)' E4' & 7/(.;.-' 1./3*'
(7.' = '(7*' 7/)' .*(/26 *7.)' (7.1*.6;.*' /(' /-2'33.' & 7 07' & /*

G V? E)@' $ ' " ' L' WG' &?@? '
QN `QD')QPQ) QN' RQ) N C' ?O KQC'
DUM) QC Q)') ND@' Y) N' RQ) C' L?P@) QN'
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4K' LQN') E DQFCCD ' L @) D' PD@ DC'
OD D) D' @' CQ)') C' L?DOD Q@ ' @@ KQ)'
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, Wb ? '= [? ' ' , *0 9 !O' F=?L ?
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' 1' e' AG

(7.3 /:-./(,'-(/3)+6'9-*7 3:0.3(-.''+(-/).J/6(7'9:7(7.07/3:.*'+3/(9-.7/;.3'&09(('++-'1(7.*./(&/*(7.7'1.'+/&./6(74/3)6.((.-.)/-*('0-/04J/3)/:/3/3)/:/3 3(7.:.3.-/('3+'66'& 3:(/96,79*(&/*/**/6.)24(7.='(7*N 3/-7'33.(/96,79*+'-/(1.*..1*('7/;.C9/-(.-.)7 1*.6+/3)(7.-.7.&'3(7.7/3)'+6/0)/3)&.)).)7.-*'6.1364/00'-)3:('6)'1/3-(.* 7.&.))3:(''8,6/0.3'(7.7'9*.'+3:.39*(7.+'-.1'*(0(O.3'+/-2'33.M(/96,79*//4.)3:'-:.'9*'1/3)-.**,-.*.3(.)('7*2-).'++(4'4'9(7*6/).3&(7:'6)/3)':.1*(7.*,'6*'+'1.3(7.*/08'+V!A'1/3*/3)='(7*93(.)3-.%'03:';.-(7..;.3(/3)((/3*(7.5 1,.-'-'2'-./'6./)3:,/-(3(7.*3:3:'+(7..,(7/6/191 3&.))3:(7.)/9:7(.-'+7.')'*9*/3)(7.**(.-'+'3'-9*(7.='(70 8 3:&/*&'-83:+'-,'6(0/6.3)*/*&.66/*:-/(+43:,-;/(./++.0('3*1/--/:.&/*(7.*4126'+(7/(93'3'+'1/3/3)=.-1/33(7.0/9*.'+0;6*/('3&707&/*(7.)-./1'+7*6+.3)3(7'*.)/4*/(/-2'33.,-'2/264('8,6/0.(7/(+/19*0'3;.-*/('32.(&..3(/96,79*/3)7*'1/37'*(N/-.,'-('+&707-'*9*7/)7./-)3(7.0.66'+'B.-'1./(E.(76.7.1(/96,79**/)(7/(7./7/)'30.3'7*4'9(7)-./1.)''+';.-(7-'&3:(7.,'&.-'+'1.F29(.5,-.30.7/)(/9:7(7 1'(7/((7.'1/3-96.&/*(7.-96.'+6/&/3)'-).-'/3),./0.3'1/(9-.-'4./-*'7*:-./('2%.0(&/*('93(.(7.(&''-/0.*/3)('*9,,'-(7.0;6*3:3+69.30.'+'1.'24(7.*&'-)*'+(7.='(7*E9('1.')3'(C9(.(-9*('-/,,-.0/(.7.-'07/1,'3'3*(/3(3*&7''0'3(-'66.)(7.=/66 0','604'+'3'-9*N7/)2..3(7.-;/6'+(/96,79*+'-(7.7/3)'+6/.)/3)7.&/*3'(8.64('':-'&1'-./00'11')/(3:/+(.-(7.&.))3:/(/-2'33.-'2/264/61'*(0.-(/364'(7.).-.*(&*7'+(/96,79*&/*('2(/3/'-.0':3*.)','*('3+'-'7 1*.6+93).-'(7.'1/3:';.-31.3(

'-)K?@@D'#)C'MD@')'P D)'O? '?'
EDO) Q D' ?', L)''L'QFO' D'
L,''W'G',QC?@'&01'*1'GW'GH
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'%MD'CLD@D'C'QFFT'EDCL KDE'@'
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#)C'?'FFT)@'?P@'&D'#)C'N)P'
NF'@'GA'L?@CQF#M'?@C)@C'Q'
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/3)‘/‘*.((6.1.3(‘+’-‘7 *‘(-’’,*‘’3‘(7.‘ ’1/3‘*’ 6‘ 3‘=/9 ‘ +‘(7.*.‘ (7 3:*‘&.-.‘3’(‘+-..64‘:-/3(.)‘7 1‘7.‘19*(‘(/8.‘(7.1‘24‘+’-0.

79*‘ (‘0’1.*‘/2’9(‘(7/(‘ 3‘(7.‘,’.1‘’+‘ /96 39*‘ &.‘+3)‘ (/96,79*‘ 3‘ ,’**.** ’3‘ ’+‘ E’-)./95‘7 *‘*’6) .-*‘2. 3:‘C9/-> (.-.)‘/*‘ W‘:9.*(*‘R‘ ’3‘ (7.‘ ’1/3‘ 37/2 (/3(*‘ E9(‘7.‘&’96)‘ 3’(‘’,.364‘2-./8‘& (7‘ ’1.‘(7’9:7‘7.‘1 :7(‘C9/--.6‘ & (7‘/3‘ .1,.-’-‘ ’‘1/8.‘7 *‘ ,’* (’3‘6.: (1/(.‘7.‘-/*.)‘ ((/69*‘ ’30.‘1’-.‘(’‘(7.‘ ,9-,6.‘/*‘ ; (9*‘+’-(4‘4./-*‘ /+(.-&/-)*‘ &/*‘ -/*.)‘24‘(7.‘93(.)‘;’0.‘’+‘(7.‘3’26.*‘’+‘=/96‘/3)‘(7.‘=’(7*‘ ’+‘ 7.’)’-0‘ ‘ (‘ *‘ /(‘(7 *‘ ,’3(‘(7/(‘(7.‘+’-(93.*‘ ’+‘ /96 39*‘2.0’1.‘ 3;’6;.)‘ 3‘(7.‘&/3).- 3:*‘ ’+‘(7.‘=’(7*‘ *‘ ,’*(’3‘ /*‘ /‘:-./(‘3’26.‘*/;.)‘7 1‘+-’1‘(7.‘ 3(-9*‘ ’3‘ ’+‘=’(7*‘ /*‘0’1,96*’-4‘:9.*(*$‘ E9(‘ (‘ /6*’‘ 1/-8.)‘7 1‘ ’9(‘ /*‘ /‘+((3:‘7’6).-‘ ’+‘7 :7‘ ’++0.‘ 93).-‘ ((/69*‘(7.‘ =’(7 0‘ 1,.-’-M‘ /96 39*‘&7’‘7/)‘3’‘;.-4‘7.-’0‘ 1> ,96*.*‘/3)‘;/69.)‘./*.‘/3)‘(-/3C9 66(4‘/2’;.‘/34(7 3:‘ .6*.‘C9 .(64‘/0C9 .*0.)‘3‘(7.‘=’(7 0‘-96.‘)*:9*.)‘24‘(7.‘ *7’&‘ ’+‘ 1,.-/6‘6.:(1/04‘/3)‘-.690(/3(64‘/00.,(.)‘(7.‘ *7/)’&4‘ ’++0.‘ ’+‘ Q‘0’93(‘ ’+‘ (7.‘ ,-;/(.‘6/-:.**.*‘R‘(’‘ /‘ ,7/3(’1‘.1,.-’-‘/3‘ ’++0.‘,-’2/264‘/*‘+’-1/6‘/*‘ (‘&/*‘2-.+‘ .‘&/*‘/*‘7.‘(.66*‘9*‘’364‘’3.‘ ’+‘1/34‘&7’‘)..1.)‘ (‘ ,’6(0‘(’‘/00.,(‘(7.‘=’(7 0‘,./0.N‘/3)‘&7’‘+’93)‘(‘C9(.‘/*‘ -./6‘/3)‘.++.0(;.‘/*‘(7.‘ ’1/3‘,./0.‘93).-‘/‘ ’1/3‘,-.+.0(‘ ’+‘(7.‘++(7‘0.3(9-4‘6 8.‘ -;/3)9*‘’-‘ .-’3/(9*

9)).364‘(7.‘=’(7*‘,-./-.)‘(’‘6./;.‘E’-).‘/95‘ 7/(‘ &.-.‘(7.‘,-.0*.‘ 3+69.30.*‘’-‘ 1’(;.*‘&7 07‘6.)‘(7.1‘+’-‘/‘ (1.‘(’‘/2/3)’3‘(7.-‘/((.1,(.)‘*.((6.1.3(‘ 3‘=/96‘/3)‘(’‘ 0-’**‘(7.‘ 4-.3..*‘19*(‘+’-‘.;.-‘-.1/ 3‘/‘14*(.-4‘ 00’-) 3:‘ (’‘ ’3.‘ /9(7’-(4‘ ’3*(/9(9*‘0’1,.66.)‘(7.1‘(’‘,/**‘ 3(’‘ ,/ 3‘24‘ 3(.--9,(3:‘(7.-‘0’1193 0/(’3*‘&(7‘(7.‘*./M‘ +‘ &.‘2.6.;.‘B’-)/3.*‘(7.‘=’(7 0‘ 8 3:‘&/*‘ 1’;.)‘24‘(7.‘ *9++.-3:*‘ ’+‘(7.‘ ,/3/-)*‘/3)‘).(.-1 3.)‘(’‘-.6.;.‘(7.‘ 0’93(-4‘+-’1‘(7.‘-/;/:.*‘ ’+‘(7.‘ /3)/6*N‘ (‘/34‘-/(.‘2.

‘ 5)QF@‘5DFF‘)-. ‘AH<

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‘),. ‘W[A

‘ O DC‘ ‘ W‘G‘J?M?C‘)‘-) K?@)‘ DUOQF ‘) RQD‘)K D‘@‘& CO)@)N‘L?DP ‘ @ ?EL?‘Y)DL OQD‘) R D‘ @ D LM C?‘ ON@‘L?NND) Q‘Q) @)‘D ‘OD DP ‘ @?@ N‘QCQ‘L?@ ND L?@ N‘ ‘C‘@?D‘ #?FT‘F)‘ MD‘ M DD‘ ?#@C‘#M LM ,)QFOMQC‘?LLQO DE‘?‘ DE‘?‘CD]D‘ -) K?@@D‘1) CD FFDC‘7? ED)QU‘#D D‘ P D)‘O? C‘)@E‘LD@ DC‘?‘)ED ‘V? E)@‘EL‘$.1‘? ‘?‘WG‘L?@ ‘ @)?‘D P?‘J?MQC‘ DP@?‘bYD‘ MD‘ ;?N)Q‘Y?#? ‘‘@‘J)FFC‘ O)@? QN‘ L)CQ‘L??O ‘E?F? D‘DL‘ O ‘ E) ‘ (-‘)E‘)‘ [I G<‘ 6)FF)‘?@‘MD‘ ED) M‘?‘ ,)QFOMQC‘)‘ 7) LDF?@)‘ #)PDE‘)‘D LD‘#)‘# M‘MD‘)@E)FC

:/;. (7. '-).-+'-(7. .;/09/('3 '+E'-)./95 E9((7. ='(7*))3'(C9((7.('&3/*,./0.+9664/3)33'0.3(64/*(7.4 7/)3 .3(.-.)3((&/*:;.3 9,('+-./3), 66/:.M /96 39*3**,(.'+7*'++0/6-/38&/*(-,,.)'+/66 7*,'**.**'3* 3)..)7.*..1*('7/;.*9++.-.)/66(7. 1'-.+-'1(7.;.-4+/;'9-&7 07 7/)2..3,-.;'9*64*7'&3('7 1 3'(7.-0/*.*(7.=' (7 0Q:9.*(R C9/-(.-.)'3/+/1 64 1 :7(*7 .6)((+-'1-/,3. E9(/96 39*7/)3'*907,-'(.0('-*'364 0'3*'6/('3&/*(7/((7.7'3'9-'+(7.+.1/6.1.12.-*'+7*7'9*.7'6)&/**.;.-.64-.*,.0(.)$.+6.)&(77*+/1 64('E/O/*&7.-.7.,-'2/264 7/)*'1.,-',.-(4/3)&7.-.'(7.-/3).;.3 1'-.*(/-(6 3:/);.3(9-.*/&/(.)7 1$ 7.-. *3'1'-.09-'9*/3)3*(-90(;. .,*').3(7.7*('-4'+(7.3;/*'3*(7/3(7.(/6.'+(7.*.:.'+E/O/*/*(*).*0-2.)24 /96 39* 7.='(7*0'1,.66.)24(7.,'6 04'-*(-/(.:4'+'3*(/3(9*('-.(-.+-'1''9(7.-3=/96:/;.(7.-.3*('6)3*(30(*/3)+.6((7.1*.6;.*.3((6.)0',693).-&7.-.(7.4&.-.3'(('2./66'&.)('*.((6.,./0.+9664 9(*).(7.('&3'+E/O/*&/*/1 3:6.)7'*(''+='(7*/3)6/3* (7 3/*.-;6.-.;'6(7/)2-'8.3'9(*9,,'-(.)24*'1.'+(7.+-..7'-3 4'9(7'&7''7/)1/).//,6'(('/**/** 3/(.(7.6./)3:3'26.* /96 39*7 1*.6+3/->-'&64.*0/,.)/3)7*&'96)2.19-).-.-1.(7*,93*71.3(/((7.7/3)*'+/3'(7.-$ E9(/96 39*0'3+.**.*(7/(7*3.-;.*&.-.*7/8.3N .6'3:.)('2.-.6./*.)&(7 7*7'9*.7'6)/3)+-.3)*/(' '30.+-'1(7.,-6*&7 07 2.*.(7 1'&(7 3(7.&/66*/3)+-'1(7.7/-)*7,*'+/,-'6'3:.)*.:. *0'93(' +(7.6/-:.**.*('(((/3*7.7/)2..3'3+-.3)64(.-1*&(7(7.6./).-*'+(7.='(7*/3)(7.-/95 6/-.*3)7., /-(096/-64-.1.12.-.)(7/(7.7/)/3'6)+-.3)3(7.07.+'+(7. 6/3*&7'&/*-.690(/3(64*9,,'-(3:(7.='(7*3(7.-/**/96(*'3(7.'1/3('&3*N 7*07.+&/*,-'2/264(7.6/3='/-&7''3(7.4./-3&7 07 (/96,79*

')..'WG
$ 1'HAW
LQ@L)QNR@@)ND@L?N QN C NQ D @NQF) QN
D D@KQ@ QD)@'@?C QN RQ)DL)NRQD CDLQ)D
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(1'WWA'
O))'N?Y? QN'D'O)'ND? QN
& C P)@E)MD MD)MD ?

,QC?@QC'#)C)@) D?'7)])C'L',QC?@' 2
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$ $ W B
CDE N M')@CQK 'L?@L CC?C? D O?&LFF R@? @? @N Q KDN O? LDFF O?1O? ED DN CQK QOC 'b) L? ' N Q Q ?O E?@? QC D ?
1'W B'H<A
RQ?E CL DN NOD ?PD@FCL? D@D:?M?@N @ QN DPDN O?OQMC @LQ@KD D@?C C

.3(.-.)' =/96'%' 3.)' & (7' (7.' E9-:93) /3*' 3' -/ * 3:' B'; 39*' ('' (7.' 1 , .- /6' ,9-,6.' /(' / 30$' 3')' 3:' *'' 7.').1.)' 7 1*.6+' ('' 2.' /0(3:' 3' (7.' *.-; 0.' '+' E'-3.' /(' /' (1.' &7.3' (7.' -.*(' '+' 7 *' , .',6.' &.-.' & (7' (7.' 9.;.*' /3)' /3)/6*' ,693).- 3:' /3)' 29-3 3:' (7.' 0 (.*' '+'=/96' /3)' 1/-07 3:' '3' ('' /' + 3/6' *.((6.1.3(' 3' ,/3MM' '&' ='/-' 0/1.' ('' %' 3' (7.' ='(7*' &.')'' 3'(' 83'&F' 29(' &7.3' B'; 39*' /3)' 7 *' 2-'(7.-' +.66' ='/-' /3)' 7 *' 6/3*' 1/4' 7/;.' +.6(' 0'3*(-/ 3.)' ('' %' 3' (7.' ,'&.-' &7 07' *..1.)' 6 8.64' ('' 7/;.' /' +9(9-.' 3' (7.' :-./(' ,-'; 30.' '+' (7.' .*(' /96 39*' +'93)' 6((6.') ++ 096(4' 3' 1/8 3:' 7 *' &/4' ('' (7.' C9/-(.-*' ' ' (7.' 6/3' 8 3:N' E9(' ='/-').06/-.)' (7/(' 7.' 0'96)' 3. (7.-' : ;.' 7 1' ,-'(.0('3' 3' (7.' 2.> * .:.-<*' 6 3.*' 3'-' /' */+.' 0'3)90(' 2/08' 3('' (7.' ('&3' /3)' (7/(' 7.' 0'96)' '364' 7.6,' 7 1' 24' 2. 3:' 7 1*.6+' /)1 ((.)' 3('' E/0/*M' 3' (-9(7' (7.' 6/3'07 .+' &/*' ./:.-' (''.*0/,' +-'1' 7 *' .3+'-0.)' /66 /30.' & (7' (7.' ='(7*' /3)' (((/ 3*' (7.-' *7/)'&4' 1,.-'-' .' 7/)' *.-;.)' '3.' .1,.-'-' &7'' 7/)' +/66.3' 7.' &/*' 0'33.0(.)' & (7' /3'(7.-' &7'' *..1.)' 6 8.64' ('' 7/;.' (7.' */1.' +/(.F' /3)' 7.' ,-'2/264' (6 '9:7(' (' */+.-' (''' (/8.' (7.' *).' '+' '3'- 9*' .' :/;.' (7.' '1/3*' 7 *' *'3' /3)' 7 *' & +.' /*' 7'*(/:.*N' /3)' *,..) 64' (7.' 0-'&)*' 9,'3' (7.' &/66*' '+' E/0/*' */&' (7.1*.6;.*' +.30.)' 3' 24' (7.' &/::'3*' /3)'/-1.)' &/-- '-*' '+' (7.' 6/3*N' &7'' &.-.' 3'&' -./)$' (''). +.3)' (7.' ,6/0.' &7 07' (7.4' 7/)' %9*(' 2..3' 7.6, 3:' (''0/,(9-.' 7.' ='(7*' *..1' (''7/;.' +.6(' (7.').*.-(' '3' '+' (7.-' /66 .*' /*' /' 0-9*7 3:' 26'&' /3)' (7.4' /2/3)'3.)' (7.' *.:.$' 7.4' 1/-07.)' /&/4' (''-./,,./-' *7'-(64' 3' (7.' */1.' -.:'3*' +'-' /' 6'3:.-' *(/4' E9(' ='/-' /3)' 7 *' 6/3*' &7'' *(/3)' '9(' +'-' /' 1'1.3(' 3' *907' ; ;)' 6:7(' 3' (7.') 1' /3)' 0'3+9*.)' /33/6*' '+' (7'*.' 4./-*' ;/3 *7' /*' *9)).364' /3)' &.' 7./-' '+' (7.1' 3'' 1'-.

7.' +'-(93.*' '+' /96 39*' +'-' (7.' -.1/ 3 3:' +'-(4 + ;.' 4./-*' '+' 7 *' 6 +.' /-.' 3'(' ,/-(096/-64' 3(.-.*(3:'.50.,(' /*' /3' .5/1,6.' '+' &7/(' 3912.-*' '+' 7 *' 06/**' 3' (/64' =/96' /3)' /2';.' /66' 3' +- 0/' 19*(' 7/;.' *9++.-.)' 3' (7'*.' (1.*' 3' (7.').,/-(9-.' '+' (7.' ='(7*' 7.' (7'9:7(' /(' + -*(' '+' 2.(/8 3:' 7 1*.6+' ('' 7 *

' OFTNO ?E'e'G_' /,
$ 5 ?CO' (0 ')E')' [B' ' 0 ?C'
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ND@ ?@' ,F)@C')F?7/' # M')@E)F+C'
@' MD' O)CC)PD' ?' MD' /M @?')@E' @' MD'
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' F=.' W< ')E' LPDN' @ DO EQC'
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AIB 6 ! 3

1/(.-3/6 .*(/(.* 3 =-..0. /3) , -9* &7 07 &.-. ;.-4 .5(.3* ;. $ E9(7. *..1* (' 7/;. 2..3 ,-.;.3(.) +-'1)' 3: *' 24 (7. (1) (4 '+ 7 * & +. '-' 24 7.-' 6';. +'-' 7.-' 3/(;. =/96M 3 (7. '(.-K7/3) 7 * ,-', .-(4 /(' E'-)./95 &7 07 7/)).*0.3).)('7 1 +-'1 ;+*'3 9* 7/) *9++.-.) 24 (7. ='(7 0 '009,/('3 /3) +-'1 (7. 93*0-9,96'9* 0'3)90(' '+ +.66'& '1/3* /1'3: &7'1 7.*..1* (' 3069).*'1. '+ 7 * '&3 +/1 64N (' /34 -/(. 7. -.:/-).) /-.(9-3 (' 2 * '6) 7'1./* 1,'** 26. .&/* *9--'93).) 24 /6/-:. 3912.-J '+ -.6/(;.* .5 6.* 6 8. 7 1*.6+ /3) /0-'&) '+ +.1/6.*6/;.*).,.3)/3(' '3 7 1M .(7.& '96) 7/;.: ;.3 9,'(7.*(-9::6. /3) (/8.3 -.+9:. 3 (7. O6' *(.- + (7. 7'64 1.3 &7'1 7. 0'3*96(.) 7/) 3'(/); *.) 7 1 (' -.,.3(' '+ 7 * * 3* /3) 096(;/(. /*.;.-.-6 +. & (7'9(C9 ((3: (7. &'-6) N /; 3: :;.3 7 1*.6+ (' -.6 : '9* *(9)4 7. &/* +'- /(1. 0/-- .) /&/4 24 (7. *.1 .6/: /3 ; .&* &7 07 /((7/((1. 7/) 1/34 /)7.-.3(* 3 '9(7.-3 =/9 M 3 7 * +'-(4 + +(7 4./- /(/*(.-( ). 7.).+ 3 (.64 -.(9-3.) (' (7. 079-07 '+ 7 * 2/,(*1 24 -.0. ; 3: (7. 907/- *($. &/* 1./3&7 6. * 38 3: 3('' ,';.-(4 * +.1/6. -.6/('3*)-',,.) '++ '3. /+(.- /3'(7.- * *'3* 6.+(7 1 '3. (/8 3: '64 -).-* /3'(7.- -.(9-3 3: (' E'-)./95 &7.-. 7. *900..).) 3 -.0';.- 3: *'1. '+ (7. +/1 64 ,-',.-(4 & (7 /' ='(7 /* 3. :72'9-N '-' 24 (7 * (1. (' 19*(' 2. -.1.12.-.) (7. ='(7* 7/) -.(9-3.) (' *.((6. ,.-1/3.3(64 3 C9 (/ 3. 7. +/(. '+ (7 * *.0'3) *'3 * '2*09-.64 ('6) E9(' 7. /,,./-* (' 7/;. 2..3 +'-' /(1. 3 +/;'9-& (7 (7. ='(7 0 0'9-(' /3) (7.3 (' 7/;. *9++.-.) +-'1 (*) *,6./*9-. N * +'-' /96 39* 7. *,.3(' 7 * '6) /:. 3 096(;/(3:' /* *1/66 ,/(07 '+ :-'93) 3 (7. '9(*8 -(* '+ /-*. 66.* &7 07 &/* *('93).-' 1,.- /6 -96. $N * +'-(93.* &.-. /(' /' 6'& .22 &7.3 (' 7 * *9-,-*. 7. -.0. ;.) '3.)/4 +-'1 /3 9383'&3 ='(7 (7. ,9-07/*. 1'3.4 '+ /, '-('3 '+ 7 * /30.*(-/6 .*(/(. /(' E'-)./95 &7 07 (7. 0'3*0.3('9* =.-1/3 &'96) 3'(' /,,-',-/(. & (7'9(' 0'1,.3*/('3 $$

(' * /* *(/-(6 3: /3) ,6./*/3(' 30).3(' 3 (7. 7 *('-4 '+

')-. ' G[' ' 1' I ' 7)@EDC bO' A_<'' C PM ' @' D D @P
$ ' bPb' ' 1' <I ' M C ?' MD . QLM) C ') FE @?' ?
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D @ CD)@' D' Q)' P)QED@C H)L) N @) DL O' F? ' ' +
)@ D M?)' D ' EDL DC CQOD ' D ' K C RQ) Q?'
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(7/(*('-14(1 . /(1 . /,,/-.3(64 *' +966 '+ ; '6.30. /3) 3%9*(0. 29(-./664 /* &. 2.6 .;. 6.** 93%9*(/3) ; '6.3((7/3 /* 9,.-+ 0 /6 :6/30. 1 :7(6./) 9* (' (7 38 7.-. 7/) 2..3 *&.., 3: /3)).*'6/(3: 3;/* '3* '+ =6/96 /3) ,/3 E9((7. * :'(7* 0/1. 3'(/* 1.-. 6/&6.** ,693).-.-* 29(/* *'6) .-* '+ (7. 1 , -. /3) + 3/664 /* ,.-1/3.3(*.((6.-* *..8 3: /7'1. /+(.- (7. -&/3).- 3:* /1) (7. &./6(7 /3) ,./0. '+ / '1/3 ,-'; 30. 3 1'1.3(* '+ -- (/('3 '- 93> 0.-(/ 3(4 &7.3 (7. :-./(1 ,.- /6 ,'&.- *..1.) (' 2. 3'& 7/9:7(4 '- +/ (76.** 3'&'&./8 /3) *7-38 3: /3) 93&'-(74 '+ (* ,6/0. (7. ='(7* +'-:.((3: (7. /**'0/('3* '+ 4./-* /3) (7. - /30 .3(/&. '+ 1 ,.- /6 ,'&.- &'96) -.*91. (7. - '6) + .-0.3.** /3) ,-). E9(&. 0/3 7/;. 6((6.)'92((7/(&7.3 (7.4 *.((6.) 3 / '1/3 ,-'; 30. (7. - *(-'3:.*( ).* -. &/* (' 7/;. / *7/-. '+ (7. ,./0. /3) ,-'*,- (4 &707 '1. 7/) : ;.3 (' (7. &'-6) /3) (' 1/3(/3 '-).- /3) %9*(0. 2.(&..3 1/3 /3) 1/3 7. =' (70 '- E9-:93) /3 07 .+ 0'1.* 3'(/* /3 .3.14 '+ (7. 1 , -. F 7 * *(-'3:.*(/12('3 * (' 2. (* /,,' 3(.) 07/1, '3 /3) + 7. -.0. ;.* 7 * 0'1> 1 ** '3 7. & 66)-/& 7 * *&'-) .;.3 /:/3*(7 * =.-1/3 0'1,/(-'(* .1/4 &7.3 7 * /);/30.* /-. *6 :7(.) C9/--.6 & (7 /3 .1,.-'-F 29(7. 7/* 3' C9/--.6 & (7 '1. + 7.)'.* 3'('2(/3 (7. -.0':3('3 &707 7. *..8* 7. 3.;.-)-./1* '+ 1,.- /6 ,'&.- +'-7 1*.6+F 7. *.(* 9, 24 (7.;'0. '+ 7 * /-14 /- ;/6 .1,.-'-/* '1/3/-1 .* 7/) '+(.3)'3. 2.+'-.F /3) & (7 *907 /3 .1,.-'- 3 7 * 0/1, 7. (-.* (' 1/3(/3 7 * /66.: /30.('1. 3 7.- '&3).*, (. 7 * * (7. 069.('(7. ,9OO6 3:3/--/(;.'+ (7. * :'(70 1';.1.3(* 3 (7. ./-64 ,/-('+ (7. + +(70.3(9-4 '1.(1.* (7. ='(7* /-. 2.*.: 3: '1/3 ('&3* *'1.(1.* (7.4 /-. + :7(3: 3 ,/3 /:/3*(9.;.* /3) /3)/6* '3 2.7/6+ '+ '1. 7. &./83.** '+ (7. 1 , -. (7. +/ (76.**3.** '-+'664 '+ 1 ,.- /6 +930('3/-.* (7. ,-).* /3) 0/,-0 '9* ,/** '3* '+7 * '66'& 3: (7. 1.-. 3.0.** (4 '+ +3) 3: *92**(.30. +'- 7 * &/3).-3: (-2.G /66 (7.*. 3+69.30.* 1 :7('+(.3).+6.0((7. $,'6 04 '+ /= .-1/3 07 .+ +-'1 (7. 63. &707 7 * 3*(30(/3) /12('3 &'96) 7/;. +'66'&.) E9(3 (7. :-./(.- 6./).-* (7. 6'3: 3: +'- -.,'*. +-'1 30.**/3(1 :-/('3* /3) (-2/6 26'') +.9)* /3) (7. -.;.-.30. +'- '1. /* (7g :-./(*'9-0. '+ ,./0.+96 '-).- +-9 (+96 3)9*(-4 /3) 096(9-. 3.;.-).) '9(3) %9*(3

,-',-(3 (7. -:-./(3.** (7.4 -./6*.) (7.:-./(3.** +E-3.

7.3 ,3/-*)39* &/* 2-3 (7. *:(7* &.- +-164 .*(/26*7.) 3 C9(/3.24 1/3 /9(7-(4$ E9(7 * 3/(;. 4 3* &/* 3(7.-.*).30. +E9-:93) /3,-30.* +-1-.(7/3(7-(4 4./-* /+(.-&/-)*N /3) (&/* 3643 3(7.;.-4 6/*(4./-* +(7. .*(.-3 1,-.(7/(9;.-:3.&/* /2/3)3.) (7. *:(7* -(7.2.*(,/-(+7 * 6+.(7.-.+-.)39* 83.&(7. =.-1/3* -/(7.-/* 3.:72'9-64 (7/3 /* 1/*(.-* .*/&+'9- *900.** ;., -30.* +(7. *:(7* /3) 2.(&..3 (7. -.:3* + 6.')-0 /3) +9-0 (7. -.6/('3* +(7. *:(70 ,'&.- (E'-3.,/**.) (7-'9:7 1/34,7/*.* /66/ (7.+'93).- +(7. *:(70 ,'&.- 3 =/96F '2(/3.) /**.((6.1.3(24 /).+3(.:-..1.3(&(7 (7. 1,-./6(7'9:7&.7/;.3 3+-1/('3 /* (* (.-1* /3)0'3)('3* 7. ='(7* &.-.+'.).-/(3/0.-(/3 .3*.**92%.0(* /6(7'9:7& (73 (7.(.-- ('-4 /**:3.) (' (7.1 (7.-,-30.* 7/) .5(.3*;.,'&.-* (&/* 3 3.&-.6/('3 (7/(&/* 0-./(.) 24 (7., /0(& (7 /66/ 3) (&/* *'1.(1.* 2-'8.3 /3) 3(.--9,(.) /* * 16/-(.* 2.(&..3 E'-3./3) 7.-+'.).-/(7/) '+(.3 2..3 2.+'-. '1.(1.* =.-1/3 /956/-.* 7/) 2..3 83'&3.;.3(', 66/:.(7.6/3)* '+ E'1/3 ('&3*N 3M V[[(7. ='(7* &.-.* .-;3: 93).- /*(39* (7. E'1/3 1/:*(.-1 6(91 /:/3*((7. /3)/6* 3 ,/3$ 7-..4./-*6/(.-/* *(-'3:='(70+'-0.&/*).+./(.)24 .(9* 3/3/((.1,(('0/,(9-. -6.*N 7.3(7.-.* /'(1.'+ C9.(3&707 ,./0.+96-.6/('3* /-.-.*('-.) E9('30.1'-. 3V?@ (7. ='(7* 1/).3/((.1,('3 /-2'33.&707 &/* -.6.;.) 3/)/-3:1';.13(24 (7.0/;/6-4 + ('-9*N 7.-. &.-. *.;.-/6 2/((6.* 2.(&..3 (7.1 /3) (7. E'1/3 :.3.-/6* 3 (7'*.4./-* 3 '3. + &707. :7((7'9*/3) ='(70 &/-- '-* &.-.6.+('3 (7. +.6) $ 7.3 0/1. (7.).+./('+

E) (0 GI OD ??C)@ @N)E J)FF)C D ?L) CDEDC @ ,RQ)@L) %?F?C)QCRQD)E0LD)@QN)LLD p N@ ? 5 ?CO " 0 E))D b6)4)D")E M)K)@EQN CDLQ@E) ,RQ)@)

$ 3T?@C #)C D ED@ FT Q@ED MD E DL O?#D ? MD .NOD ? #MD@ E?@ QC EDF D DE MD 5)@DPT L ?@ 1)Y?)Q @ <I (, B_B 3QPEQ@@NR@D)N))OLD L ?

,NN1) D U GG F)D K))E DNODC)Q)CQFFD DC @)CD D 3QPEQQQN @L)Q)N D L

E) (0)C @QC 1)P 1F LQN N)PQ) N)@Q D)QUF C J?M ? QN KDFFQN @ 7)D L) 6)@E)FC @D

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E))E) WH

' +' (7.' +/*( ) '9*' '1/3' :.3(6.1/3' 7.-.' *' 3'' (-/0.' '+' /34' +./-' '-' *9*, 0 '3' '+' (7.' = '(7 0' , '&.-

)'3 9*' 7/)' +/1 64' 0'33.0('3*' & (7' 4'3*' /3)' 7.' ; * (.)' (7/(') *(- 0(' *7'-(64' /+(.-' (' 7/)' 2..3' '009, .)' 3' *'1.' +/*7 '3' '-' 93).-' *'1.' ((6.' 24' (7.' E9-:93) /3*' 3' (7.' 4./-' VX@' (7.' E9-:93) /3*' 7/)' *.-;.)' 3' (7.' /-14' '+' 7.')'-0' ' /:/ 3*(' (7.' 9.;.*' 3' ,/3$' .;.3' 4./-*' /+(.-&/-)*' (' /,,./-*' +-'1' /' 6.((.-' '+' ',.' 6/-4'M (7/(' '3.' '+' (7.-' 6./).-*' 3' (7/(' .5,.) ('3' =93) '0' *' 3*(/66.)' /(' .33.' & (7' (7.' ((6.' '+' 1/:*(.-' 1 6 (91' /3)' /6*'' .5.-0 * 3:' *'1.' 0'3(-'6' ';.-' ., *0',/6' .6.0('3*' 7.' E9-:93) /3' ,'&.-' &/*' +-164' .*(/26*7.)' /(' 4'3*' 2.+'-.' V V' 7.-.' *' 3'' *:3' (7/(' (7.4' :/3.)' (7.' (.--('-4' '3' (7.' 7'3.' 24' /' ;'6.3(' 0'3C9.*(' 7.' -'4/6'+/1 64' &.-.' 0'33.0(.)' 24' 1/--/:.' & (7' 0 1.-' 7.4' &.-.' 3' U+.).-/6' -.6/('3*' & (7' (7.' 1,.-/6' ,'&.-N' /3)' (7.-' 07.+' &/*' ,-'2/264' /66'&.)' ('' '009,4' (7.*.' 3.&' (.--('-.*' /*' /'*'6).-' '+' (7.' 1, -.' B9*(' /*' (7.' 0'-,*' '+' E-.('3*' 93).-' '(7/19*' &/*' .3:/:.)' 24' 3(7.1 9*' (':9/-)' (7.' +-'3(.-*' '+' E.--4$' *'' (7.' E9-:93) /3*' &.-.' (' 2.' /' 296&/-8' '3' (7.'./*(' /:/ 3*(' (7.' /);/30.' '+' (7.' * :'(7*' (' (7.' (1.' '+' (7.' ; * (' '+')'3 9*' 7 6,.-0' *'3' '+' =93) '0' 7/; 3:' .5,.66.)' 7 *' 2-'(7.-' =93)'2/6)' &/*' :';.-3 3:' (7.' -.:'3' /2'9(' 4'3*' /3)' .33.' & (7' (7.' ((6.' '+' 1/:*(.-' 1 6 (91 N' 7 6,.-0' /3)' 7 *' C9..3' *..1' (' 7/;.' /2/3)'3.)' (7.' -/3 *1' '+' (7.-' +/1 64' 7.' 8 3:' .3)'&.)' 6 2.-/664' (7.' 1'38*' '+' 9, 0 39* N' 7.' 2 *7',' /(.3*' 24' 7 *' 2'93)> 6.**' 07/-(4' /3)' 6'+(4' 07/-/0(.-' 0'1 1/3).)' (7.' /)1 -/('3' '+' (7.' C9..3' 7.' '364')/3:.-' (' '1/3*' *..1*' (' 7/;.' 2..3' +-'1' (7.' 3(-:9.' /3)' 0/69 1 34' '+' *'1.' '+' (7.-' '&3' -/0.' &7'' *(-';.' (' ,' *'3' (7.' 8 3:<*' 1 3) $' E9(')'3 9*' *,./8*' '+' 7 1' & (7' (7.' 7 :7.*(' -.*,.0(' /*' /'*'6).-' /3)' /' 1/3' 7.-.' *' 3'(7 3:' (' *7'&' (7/(' (7.' ,-'; 30 /6*' /-.' *9++.-3:' +-'1' (7.' .++.0(*' '+' ; '6.3(' 0'3C9.*(' '-' ', ,-.** ;.' -96.' 7.-' &'-*(' +'.*' /-.' (7'*.' '+' (7.-' '&3' 7'9*.7'6)

' V? E)@' " ' L'
' &4')5' U')E' 3D?@ QN' DO' CL?OQN' , DF)' JQ@E ?L' M)E')OO) X D@ FT')OOD)FDE' ?' & F) T')P) @C' C?ND' DO CL?O)F D@L ?)LMND@ C' 03' 1))D QC' %MD' FD D' C' E) DE' @' MD' L?@CQFCM O' ?' 7)C F Q)' ' BW
' V? E)@' JD' UF ' 7Q PQ@E]?@QN PD@ DN' ' ' ' @' D?' DNO? D' ?DED))N
' 'V UF Y Y Q?E' L?@'OD D@C' , @ MDN QC' 7 ?@QN' C?F)L)' O?C QF) ' D L
\' E')5' 7' B' %M C' FD D' KDF?@PC' ?' MD' T) ' _ '!' 1?NN)' 5)? ' F
' J DP' %Q ' ! N'), ' L' ' B
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W[A $ " %) ' & 4 # ' * 6) ' F $ F $ & ' 700;'

) '92(' (7/(' 7.' &/*' 24' 3/(9-.').*,'(0'/12('9*'/3)'/2';.'
/66'+.-0.64'2:'(.)'/3)'3('6.-/3('.'7/)'/'*30.-.'7/(-.)'
'+'(7.'/(7'6 0'+/(7'/'7/(-.)'*''3(.3*.'(7/('('9*.'(7.'
&'-)*'+')'39*$'7.'*..3')'3'('*''1907'(7.'-96.-'+'/'
,.',6.'/*'(7.7./)'+'/'*.0(

B'-)/3.*' -.6/(.*' (7/(' 9-0' ,.-0.;3:' (7.' +-.C9.3('
07/3:.*' +' '1/3' .1,.-'-*')(.-13.)' ('1/8.'71*.6+'
1/*(.-'+'(7.'=/96*'3'7*'&3'-:7($' 7.'7*('-/3'+'(7.'
='(7*'*..1*'24'(7.'&'-)*' -0':-' ('1/-8'/3.&').,/-(9-.'J
3','6 04' 3)'(7.'7*('-4'+' 9-0<*' -.:3'0'3+-1*'(7.'
*(/(.1.3(' .'2.:/3'24'/'0/1,/:3'3',/3'&707'6.+('
(7.' 1,-.'7/-)64'/'0'-3.-'+'(7/(':-./(',-';30.' .'
3.5(' (9-3.)'7*'/-1*'/:/3*('(7.'E-.('3'(-'',*'93).-'
'(7/19*'&7'':9/-).)'E.--4'+'-'(7.'1,-.N' 7.'E-.('3*'
&.-.').+./(.)'/3)'+6.)'3('' (7.'(.--('-4'+'(7.'E9-:93)/3*'L
9;.-:3.'-.1/3.)'(7.'*'6(/-4')*(-0(' 6.+(' 93).-'(7.')-.0('
&/4'+' '1.' (',.',6.'/*')'39*',-'9)64'-.0/66*'M
06/1.)'K('' 2.'83*1.3'+'(7.' '1/3*'/3)'7/)'/:/3'/3)'
/:/3'+'9:7(' *(922'-364'+'-'(7.-'3).,.3).30.' 6/0.)'
2.(&..3'(7.'E9-:93)/3*'/3)'(7.' *:'(7*'(7.4'1:7(' 3'&'
..1'('' 2.'3'').,.-/(.'*(-/(*' .(' (' &'96)'/,,./-'(7/('
(7.-'6./).-*'+.6(' 3'' ';.-1/*(.-3:'+./-'+'(7.' *:'(7 0'
,'&.-'/3)'(7/(' (7.4'7/)'.;.3')-./1*'+'+'93)3:'/3'3>
).,.3).3(' *(/(.'3'(7.7./-(' '+'=/96'&707'+'(7.'1,-.'
0'96)'3''6'3:.-',-'(.0(' (' 1:7(',-'(.0(' (*.6+' +(.-'/'
(7.'=.-1/3*'&.-.'3'(';.-4'391.-'9*N' 7.' *:'(7*'&7''
'009,.)' C9(/3.'93).-' /66/'/+(.-/'(7.-'6'**.*'+-'1

' E')5' 'B'Q')NKP)C')NOF QC@D'
CQ)D' PD@ C')@' CQ)D' CDL)D' D@D)'
O @L O) QN

$V? E)@'" '?' <'

$ ' L' ' <' %M C' D D@' C'
O ?K)KFT' D D DE' ?' KT' J DP' %Q '
' GH'7)@@'ED'7 Q L)')' J? M C'
DUOQFC' CQ@ ' %MD D' C')' FD D' ? '
E?@' ?' / ? M))QC' ' I' @' #M LM'
MD' L?NOF) @C' M)' MD' 7 D ?@C' M) D'
L) DE' ? ')' O?? ') ND C' CF) DC

' E')5' ' _')QEDK)@' CD'
RQ?@E)N') DC' 3_ ?' E LD D' ? '
9D P' 'GG

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0! .' F ' ? ' 9' ED' ?QF)@PDC'
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GG' OQ C' MD' 7Q PQ@E)@C') ' H[[[[' @' MD' ?Q M' LD@ Q T' 7Q ' M C' C'
O ?K)KFT' DU)PPD) DE')@E' P DC' @?'
LFQD' ?' MD ' @QNKD C' @' MD' M'
) D ' C?' N)@T' L CC QEDC' L ' 8D'
?QF)@PDC' O' ' %MD' F?CCDC' ? ' MD'
C P? MC' N)T' KD' DC N) DE' ?N' CQLM'
O)CC)PDC')C' O ?C' ' W' GG' 7Q ')@T'
L)FLQF) ?@C' ?@' CQLM')' CQKYDL ') D'
D@ED DE' D T' Q@ QC #? MT' KT' MD'
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L?@C)@ FT' C#DFFDE' bG'' KT')PND@ C' ? '
? MD ' CN)FF' #)@ED @P' K)@EC ' bA'' 12#
3- ! ' CF) DC' bW'' KT' DD' /?N)@C'
&T @P' ?N' ? D)U) ?@' D L' ' L '
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5)QF@' 5DFF')-. ' ?@')' D ?F' ? '
CF) DC')' 7)])C' ' WW

93) .-(' '8' (7.' 6'3:' %'9-3.4' 3;'6; 3:' :-./(' 7/-)*6 ,*' /3)'
)/3:.-' 3' 1)& 3(.-$ *' ,-.*.30.' *..1*' (' 7/;.' 7/)' /'
:-./(' .++.0(' 3' * 6.30 3:' 0/2/6*' /3)') ; * '3*' /3)' 3' -.*('- 3:' /'
0/63/.-' 0'9-/:.')'3 9*' 7/)' /6*'' *'1.' 7',.'+-'1'(7.'/-- ;/6'
+-'1' '1.' '+'(7.' C9/.*('-' 0 3 /39* M' E9('2.4'3)'2- 3: 3:'
(7.' ((6.' '+',/(- 0 /3('' 0) 0 9*' (')'.*' 3'(' /,,./-' (7/(' (7.'
1 ** '3' '+' 0 3 /39*' 7/)' /34' .++.0(N

0 3 /39*',-'2/264' 7/)' ('' -.,'-(').1/3)*' +-'1'(7.' ='(7 0'
8 3:' (7.' 0'30.** '3' '+' &7 07' &'96)' 7/;.' 3;'6;.)' 3'(' '364'
(7.'*9--.3).-' '+' 9;.-:3.' 29(' '+' (7.' 6/*(' -.1/ 3 3:' *(-,' '+'
'1/3'(.-- ('-4'*9--'93) 3:'(7.'*./(' '+'(7.',-.+.0(9-.'/(' -6.*$'
E9(' (7.' 2 *7',' '+' 9;.-:3.' *(66' '++.-.)' /' 2'6)' +-'3(' ('' (7.'
)/3:.-*' &7 07' (7-./(.3.)' ('' *921.-:.' 7 *') '0.*.' .' 7/)'
7./-)' '+' (7.' &'3).-*' &7 07' (7.' ':/('3*' .*(/26*7.)' 24'
/1.-(9*' 6/9) /39*' '+' .33. N' 7/)' &'-8.)' '3'/' ,',96/('3'
1/)).3.)' & (7' *9,.-*(('9*' (.--'-*' /3)' 7.').(.-1 3.)' ('
3(-')90.' (7.' *'6.13' -(.*' /1'3:' 7 *' ,.',6.' (7',-'0.*>
'3' /3)' ,-/4.-' 7.'*(-';.' ('' +'-(+4'(7.-' *, -(*' +'-' /'+3/6'
(-9::6.F' &7 6.'/(' (7.'/1.'(1.'7.'*911'3.)' 0) 0 9*' +-'1'
4'3*' '30.' 1'-.' (' 7./)' (7.' -.**(/30.' ./3&7 6.' +-.*7'
3.:'(/('3*' &.-.' :' 3:' '3' 2.(&..3' 9-0' /3)' (7.' 1,.-'-'
7.' /((9).' '+' (7.' ='(7*' &/*' *'' (7-./(.3 3:' (7/(' (' &/*'
).(.-1 3.)' /(' /' 0'930 6' 7.6)' /(' 6/3' ('' *.3)' ,,7/3 9*'
2 *7',' '+' /;/' ('' (-./(' &(7' (7.' ='(7 0' 8 3:' N' 7.' (/6.'
'+' (7.' 2 *7',<*' %'9-3.4' ('' '96'9*.' *' ('6)' &(7' *9*,0'9*'
-7.('-0' 24' 33') 9*' 9-0',-'+.**.)' 7 1*.6+') */-1.)' 24'
(7.' &'-)*' '+' (7.' 7'64' 1/3' /3)' ,-'1*.)' (' 2.' /(' ,./0.'
& (7' (7.' 1,-.' E9(' /,,/-.3(64' 7.' */)' 3'(7 3:' '+' (7.'
0'3) ('3*' '+' (7.' ,./0.' *' (7.' -.*96(' '+' (7 *' .12/**4'(7.'
3.:'(/('3*' &.-.',6/0.)' 3'(7.'7/3)*' '+'+'9-'2 *7',*' 3069) 3:'
=-/.09*' '+' /-*.66.*' /3)M' /9*(9*' '+' .0' 9-0' &/*' /',.->
.09('-' '+' (7.' 79-07' /' &.66' /*' /3' .3.14' '+' (7.' 1,-/6'
/9(7'-(4' 3' =/96H' .'0/3''364' 3+.-' &7/(' &.-.'(7.' 3+69.30.*'
&7 07' 6.)'(7.' 2 *7',*' ('' /:-..' ('' (7.' 0.** '3' '+' (7.';/6 /3('
9;.-:3.' E9(' (7.' 2 ((.-64' -.,-'/07+96' 6.((.-' /))-.**.)' 24

' E 'A' &D C MD ?CC)@ QC' CQLM' E C @L ?@C' KT' MD' CD@) ?)F'
?' #M?N' E' EDE L) DE' MD' 3D D C' LF)CC
)5' 'G' 'GH' 'GB ' F)U' 50 ' ' ' GB G_W'
(' _B' 'GB' 6 D@')' CQLM')' ? '9D P' 'G
NÐ' M C' FD D' C')' LQ ?QC' FFQC)' ' E')5' G' 'L' 'G
?@' ?' MD' @? E Q) D')FQD' CD' QO?@ ' .@@?E' ! ' ')55, ' OO' W<G'
X' N(0 5' '. :')..') 01 J

1 / 4' 7 / ; .' *.09-.)' 0'30.** '3*' ('' (7.' 79-07' (' 1 / 4' 2.' (7 / (' 9- 0<*' +/3/(0 *1' &/*' 3'(' /6('':.(7.-' 930'3(-'66.)' 24' , '6 04' /3)' (7 / (' /+(.-' /66' 7.' *.(' (7.' , ./0.+96' :';.-31.3('' +' /' , -'; 30.' 2.+'-.' (*' 0'3;.-* '3'('' 2 *' '&3'+/ (7' (' /34' -/(.' 7 *' *92*.> C9.3(' '-:/3 */('3' '+ 9;.-:3.' &/*' (7.' &'-8' '+' /' *(/(.*1/3' /3)' 3'(' '+' /' *.0(/-4' .'' 7 *' /(7'6 0' 1 3 *(.-' '+' *(/(.' ,-'2/264' 7/)' /' ,'(.3(' ;' 0.' 3' (7 *' *.((6.1.3(' ' /(7'6 0' = /66' ' 1 / 3 ' '93(' 0('-5 *' &/*' /, , ' 3(.)' :';.-3'-' &7'' +' 7 *' 1'-/6*' /-.' 1, ./07.)' 24' =-.:'-4' '+' 0;9-*$ *..1*' ('' 7/;.' 2..3' '3' +-.3)64' (.-1*' & (7')'3 9*' /3)' (7.' 2 *7',' 7/*' : ;.3' /' 1907' 1'-.' +/;'9-/26./00'93(' '+' 7 *' 07/-/0(.-' (7/3' &.' -.0. ;.' +-'1' (7.' 7 *('- /3' '+' (7.' -/38*' E9(' (7.' -.* *(/30.' '+' 9;.-:3.' 7./).)' 24' (*' 2 *7',' 7/)' 2..3' '2*(3/(.' /3)' 1 :7(' 2.' -.; ;.)' '1.' '+' (7.' 6./).-*' /3)' /1'3:' (7.1' (7.'07 ;/6-'9*' 0) 0 9* N' 7/)' ('' +64' 2.4'3)' (7.' -./07' '+' 9- 0<*' /-1' *' (-./(1.3(' '+')'3 9*' &/*' 3'(' *'' 7/-*7' /*' &.' 1 :7(' 7/;.' .5,.0(.)' 7.' 2 *7',' 3)..)' &/*' -.6.:/(.)' +'-' /'(1.' ('' /' +'-(-.**' 3/1.)' ; / N' 3./-' (7.' ,/3 *7' +-'3(.-F' 29(' 7 *' &'-*(' 7/-)*7 ,' &/*' 7/; 3:'('' 6 *(.3' (('' (7.' -'9:7' /00.3(' '+' 7 *' = '(7 0' :9/-)*' /3)' (7.')318.3' *C9/226.*' '+' (&'' '6)' = '(7 0' 0-'3.*' &7'') *(9-2.)' 7 *' -.*(M' *' 0'--.*,'3).30.' &/*' 3'(' *(',,.)' /6(7'9:7' +-'1' *'1.' ,7-/*.*' &.' 0/3' *..' (7/(' (' &/*' &/(07.)' /3)' (7/(' ,'6 (0/6' -.+.-.30.*' 7/)' ('' 2.' ;.-4' :9/-).)' 3.' '+' 7 *' 0'--.*,'3).3(*' &/*' 9- 0<*' *.0-.(/-4' '+' *(/(.' (7.' /00'1,6 *7.)' .'' /(' &7'*.' -.C9.*(')'3 9*' '009, .)' 7 *' 6. *9-.' 3' (-/3*6/(3:'' -' (-/3> *0- 2 3:' (7.' 8 3' 03' 50 0 -' 03' *2, ,' 24' 7 6'*(-/(9* N' /3)' &7'' 9*.)' 7 *' 3+69.30.' ('' 1 (:/(.' /3)' *7'-(.3' (7.' 2 *7',<*' 0/,(; (4 N' 3' /' &.66 83'&3' 6.((.-' &7 07' 1 / 4' ,'** 264' 7/;.' 0'1.' 93).-' (7.' .4.*' '+' 9- 0')'3 9*' +6/((.-*' 3' 7 *' 1'*(

G J DP'%Q 'F '/ ' 'A[' L ' E')5' 'G_'P @P')'EDCL O ?@'?' MD' D D D@LD'# M'#M LM' L ? QC') D@EDE' MD' ED) M KDE'?' MD' N?@S',K)M)N' 0@' MD' DU D@' ?' M C' YQ CE L ?@' N?@E' O? @ C' ?Q ' M) ' @' J DP? T C' ND' 8QU' MD' FD' MD' P DC' ?' LX ? QC' #)C' P? D @?' ?' CD D)F ?#@C' ?NDC' ?'?@D' N' ' 5'_I $ V? E)@' " ' UF ' ! E L QC' E Q' LD)@C' LQN' DCDP? M C' @D?')FD@C')@ D)) D' DF L)'O))' ')E' Q ?)' 9D P' ' AA CD' F?L)' L?FFDP ' E')5' 'W' 3)' #)C' O ?KX)KFT' C?ND#MD D' KD #DD@' -) K?@@D')@E') L)CC?@@D'!' @? D' @' 1 P@D')@E' MD' @E' 3??' @' 1?NNC' DE' ' N' O' HA ')5' 'W ' 1' 'W'!' N?@E C'@? D'#M LM' N)SDC' O ?K)KFD' M) ' E?@ QC' CD@' 3D?')' L) D QFFT')@CL KDE' L?OT' ? ' MD' ? P @)F #? S' ? ')5'!' GB' #MD D' MD' CD@EC' /Q ?')' L) D QFFT' DND@EDE' L?OT' ? ' MD' &DQ) DQLM' TN ')5' ='GW' L 9D P' ' AA ')5' 'W' LQY@C' @L?N N?E' @DN' O?C '?ODN' M C ' K' EDKD?

-.6 .;.' ((.' *(-.**' '3' 9;.-:3.' /3)' ('' -.*('-.')'3 9*' ('' Q7 *' +6'08' 7.' 6.((.-' 3' &7 07' (7.' ,'.1' *' +'-&/-).)' ('' (7.' ,-'*,.-'9*' 0'9-(.-' 7/*' /' ('3.' '+').,-.** '3' /3)' 1.6/307'64' /*' +' (7 *' ,'1,'9*' /3)' ';.-07/-:.)' +6/((.-4' '+' 9-0' 7/)' 2..3' &-93:' +-'1')'3 9*' 24' (7.' 3.0.** (.*' /3)') *(-.**.*' '+' 7 *' ,'*('3' .' *' /3' .5 6.' +-'1' 7 *' 2.6';.)' 9;.-:3.' 7/3: 3:' '3' (7.' '9(*8 -(*' '+' (7.' ='(7 0' 0'9-('93/26.' ('' '2(/ 3' (7.' -.*((9('3' '+' 7 *' .*(/(.' E9(' (7.' ,'.1' *' /6*'' .;).3(64' 3(.3).)' +'-' (7.' ./-' '-' .4.' '+' (7.' ='(7 0' 8 3:')'3 9*' 7/*' '364' '30.' & (7 3' (7.' *,/0.' '+' (&'' 1'3(7*' 7/)' /'* :7(' '+' (7.' 1'3/-07' &7'' *' '009, .)' & (7' &'-6)&).' 0/-.*' 7.' 0'1,6/ 3(' '+' (7.' 3.:6.0(.)' *9 ('-' *' -.6 .;.)' 24' (7.' :-'**.*(' +6/((.-4' '+' (7.' 3.&'2/-2/- /3',' &.-' (''&7 07' /66' (7.' ,.',6.*' '+' (7.' &'-6)' +-'1' (7.' & 6)' /5'3', -/(.' ('' (7.' ,-30.*' '+' 9*/' /-.' 2.3) 3:' *921 ** ;.64' /3)' 2-3: 3:' (7.-' (-29(. $' E9-:93) /3' /3)' *(-':'(7'-.0':3 *.' 7 *' *9,-.1/04' 3)' .;.3' (7.' '1/3' 7/-)' ,-.**.)' 74' (7.' 04(7 /3' 7'-).*' .3(-./(*' (7.',' (.3(/(.' '+' (7.' ='-'33.' (''*900'9-' (7.' &./83.**' '+' (7.' 2.-' '' 6'&' 7/)' *938' (7.',-).' '+' (7.' :-./(' 3'26.' &7'' 3' 7 *' ./-6 .-')/4*' 0.6.2-/(.)' 2.+'-.' (7.' $6(.' '+' E'-3.' (7.' (-91,7' '+' 1,.-/6' ,-.*(:.' /3)'),6'1/04' ';.-='(7 0' +'-0.F *'' 6'&' 7/)' +/66.3' (7.' +/ (7' '+' '1/3*' 3' (7.' +9(9-.' '+' E'-3.

7.' /3.:4-0' '3' (7.',' &.-' '+' 9-0' 7'&.;.-' 7/)' (*' -.&/-)' 7.' 2*7',' &/*'-.*('-.)' (''7 *')'0.*.' /3)' 7 *' 6/(.-' 4./-*'/-.'3'(' 1/-8.)' 24' /34' 30).3(' 0'33.0(.)' & (7' '-',-.*.3(' *92%.0(M' 7.4' 2.6'3:' (''.006.* /*(0/6' 7 *('-4')'3 9*' *921 ((.)' (''(7.' 3.;(/26.' (-91,7' '+' * :'(7 0',' &.-' /3)').;'(.)' 7 1*.6+' 7.30.+'-(7' (''(7.')9(.*' '+' 7 *' *..' /3)' (''/') 6:.3(' 0'--.*,'3).30.' & (7' 7 *' ., *0',/6' 2-.(7-.3' (' *' ,-'2/26.' (7/(' 7.' &/*' /6*''.3:/:.)')9-3:' (7.*.'6/*(' 4./-*' 3' 0'66.0(3:' /3)' ,'6 *7 3:' 7 *' 6.((.-*'+'-' (7.' .4.*' '+' ,'*(.-(4N' .' 7/*' *.09-.)' (7.' 1 1'-(/6(4' 7.' 6'3:.)' +'-' 29(' (' *' +'-' 1.-(*';.-4') ++.-.3(' +-'1' (7'*.' '3' &7 07' 7.' 7',.)' (''-.*(' 7 *' +/1.M' *' &'-8*' & 66' 6 ;.' +'-'.;.-' /*' /',-.0 '9*' 1'391.3(' '+' /3' '2*09-.',.-')' 3' *,(.'+' (7.' (-08*' /3)' /++.0(/('3*' '+' /' *(46.' .6/2'-/(.)' & (7' /3' .5(-/'-) 3/-4',.-;.-* (4' '+' /-(' .(

')5' 'I 'OD N)@C' 50 '' 'OO'_W CYY ' '9?' MD' O) MD L'C ? T'? 'M C'ED) M' L' 1?NNCD@C' 5)D ' L' J DP' '$, '/ '' AW ')5' 'G

3'(& (7*(/3) 3: (7. , /(7.(0 +/ 69-. ' + 7 * .++'-(* (' 07/-1 /* /' 1 /*(.-' + *(46. (7.) .;'('3' + (7. 1 /3 (' /' 6 (.-/-4).6 R 7'&.;.-' +/6*. /3)) *('-(.) * '3. ' + 7 * 1 '*(/) 1 -/26. (-/ (* * +/ (7 3 6.((.-* 3 /' (1. ' +).0/).30. 0';.-* /' 1 96((9). ' + 6 (.-/-4 * 3* ' (7. O6/** &7'1)'3 9* -.,-.*.3(* 096(9-. 2.0/1. 1'-. ,-.0 '9* /* (7. .5(.-3/6 :-/3).9-' + (7. 1 , -.&/3.) /3) + /) .) F &. 1 /4 /6*' */4 (7/((2.0/1. 1'-. ,-.0 '9* /* (*7'&.) * :3* ' + (*).0/4 7/((&/*).0/4 3:)'3 9* 06./-64 */& $. ,-/ *.* /' +- .3) +'-2. 3: '3. ' + (7. +.& 3 &7'1 *(66 6 3:.-.) (7. (-/0.* ' + /' ;/3 *7 3: 6 (.-/-4 *.3*/ 7. 1 /** .;.3 ' + (7. .)90/(.) &.-. (' * 69:: *7 (' 1 / 3(/ 3 (7. *(-.39'9* ,9-*9 (' + 6 (.-/-4 ,9-(4 &7 07 &/* (7. :-./(,-) . ' + (7. *07''6* ' + =/96 N 7.4 7/;. 3'((7. .3.-:4 (' -.* *((7. 309-* '3* ' + 2/-2/-'9* /3) ;96:/-) '1 . ((7.-. 3.;.- &/* /' (1. &7.3 (7. 7 :7.- 06/** &.-. 1'-. 2'93) + '364 /* /')9(4 (' (7. - '-).-' (' 7'6) +/*((' (7. - 6 (.-/-4 7.-(/:. '-' /* (7. 0/-..- ' + ,'6 (0/6 /12 ('3 &/* 06'*.) (7. '364 2-/3) ' + 3'2 6 (4 6.+(&/* (7/(' + 6 (.-/-4) *(30('3 N 7. 1 6 (/-4 /3) (7. 0 ; 6 ,'&.- /68. &.-. ,/** 3: 3(' (7. 7/3)* ' + 2/-2/-/3*)'3 9* 1 /4 7/;. 7/) /' -./6 /)1 -/('3 + '- (7. 07/-/0(.- /3) 2./-3: ' + 7. ')'-. F 7. 1 /4 7/;. 2..3 ';.-/&.) 24 (7.; ;) .3.-:4 /3) 0'1 1/3) 3:, '&.- ' + 9- 0F 29(/,/-(+ -'1 (7. - 1 6 (/-4 /3) ,'6 (0/6 *900.** (7. =.-1/3* &.-. (' (7. 6.((.-.) 2 *7', (7. -.,-.*.3(/(;.* ' + 1.-. 2-9(. + '-0. $:3'-/3(0-/1,.) /3) 93096(;/(.) & (7 3'3. ' + (7. ,'6 *7 /3) .6/*(0 (4 ' + 3(.66.0(&7 07 '364 :.3.-/('3* ' + *'0 /6 /3) /0/).1 0) *0 ,6 3. 0/3 : ;. 7.4 &.-. (7. *,-./) 3:)/-83.** 2.+'-. &7 07 (7. 2'-).-* ' + (7. 6 :7(&.-. *6'&64 -.0.) 3:

7. +..6 3:* ' +)'3 9* +'-(7. =.-1/3* &.-. ,-'2/264 (7'*. ' + 1 '*(' + 7 * 06/** /3) (7.4 +'93) / ;.3(3 ,93:.3(

G)5 ' G_ ' CD N?@) O?NO) / ?X N)@ ' C ' RQ) EM@?' QCO) N' DC ' 7DF ' NL C ?F N' C D' ;MD@)@ C) K?F) D C' N' D' DCDE ' %MD D' C') FD D '? ', QC ' O L QC ?' , K?P)C DC @' #M LM' MD' F) D ' 'C TFDE' ?NDC % D ? QN ' 1 ' G[')@ QN' @L DKQ ' NQF QE?' EDC E ?C? QN' Q ' @ C ' DF O)@L CC N ' RQ RQD' ND) N' F@ Q D' 3) ') C O ?O D) DN' ED')KQN' K) ' K) CN? QN' ?K P @D' @E L) D C D) @' K D ')K?F) N' ED FD) NQC' @ D DNO ') NR@D'

' ' ' A' @) N' Y) N' DN? C' P) E ' KQC' E P@) QN ' OD ' RQ) C' C?FDK) ' @F N?') ' RQ?R@D' CQ) NQC' RQ CRQD' E C ' LD @ ' C?FQN' D ' O?C M)?' @?K F) C' @E L QN' F D) C' @?CCD

' 1 ' ' G' KDC) F QN' P E) QNRQD' @) ?@QN' L? E) ' L? @D) ' K) DRQD' PF) L) FDC

WG[$ " %) ' & 4 ' * 6) ' F $ F $ & ' 3 ,'

*/(-. $' &7 07'))' 3 '(' *, /-. '. ; . 3' (7 .' 0'-3.(' '+' (7 .' E9-:93) /3' 8 3:' /34' '+' (7 .' :-. /(' 3 '26. *' , -'2/264' 7.6)' /6' '+' +-' 1' /66' 3(.-0'9-*.' & (7' (7 .' = .-1/3*' /3)' *.069) .)' (7 .1 *.6; .*' 3' (7 .' *'6 (9) .' '+' (7. -' :-. /(' .*(/(.*' &7 .-.' (7 .4' 1/3(/ 3.)' /1 '3:' (7. -' 391 .-'9*' +'66' & 3:' /' *'-(' '+' 3) . , .3) .30. ' /3)' &.-.' , -'2/264' 3'(' '+(.3' (-'926.)' *'' 6'3:' /*' (7.4' C9 .(64' /00. , (.)' (7.' 3.&' ' 7.-.' &.-.' '(7.-*' &7'' +'-(+.)' (7.1*.6; .*' 3' *(-'3:' 0/*(6.* MM' 29 6(' 3' 6'3.64' ; *)6.4*' '-' '3' 93/**/ 6/26.' * (.*' /1 '3:' (7.' 1 '93(/ 3*' &7.-.' (7.' +.9) /6' 6 +.' '+' (7.' 1))6. /:. ' 3' (*' 1/3' +./(9-.*' 7/)' /6-./)4' 2.:93 N' 3.' /(' 6./*(' '+' (7.*.' *(-'3:7'6)*' 3' /9(.' -'; .30.' 7/*' 2..3').3(+.) M' (' *' * (9/(.)' 3' /') . . , ' /3)' 6'3.64' :6.3' +.30.)' 3' 24' , -.0 , ('9*' -'08*' / 1 '3:' &7 07' 0/3' *(66' 2.' *. .3' (7.' (-/0.*' '+' (7.' .3: 3. .-<*' /-(' 7.' , 6/0.' &/*' +'-(+.)' /*' /3' 3*0- , ('3' (.66*' 24' /-')/39*' , -.+.0(' '+' (7.' =/96*' 2.(&. .3' VAA' /3)' V!?' (7.' 4./-*' &7.3' (7.' /-14' '+' (7.' * :'(7*' &/*' *. .8 3:' /' 7'1.' 3' '9(7.-3' =/96' (' *' , -'2/26.' (' ' ' (7/(' 1/34' '+' (7.' ; 66/.' 3' (7.' ' 1'-.' ', .3' 0'93(-4' /2'9(' (7 *' (1.' &.-.' *(-.3:(7.3.)' & (7' ('&.-*' /3)' +'-(+0/('3*' &7 07' , -' ;) .)' *.09-(4' & (7'9(' 3(.-+.- 3:' & (7' (7.' /1.3 (4' /3)' 0'1+'-(' '+' (7.' 0'93(-4' *./(' 7.-.' *' *907' /' +'-(-.**').*0-2.)' 3' '3.' '+' (7.' , '. 1*' '+')'3 9* N' (7.' E9-:9*' '+' .'3(9*' /(' (7.' 0'3+69.30.' '+' (7.' '->)':3.' & (7' (7.' =/-'33.' 7.' 7'9*.' 7/)' (7.' 07/-1*' /3)' 0'3> ;.3 .30.*' '+' (7.' '-) 3/-4' 0'93(-4' 7'9*.' (7.' ;.*(296.*' 0'6'3> 3/).*' (7.' *911 .-' /3)' & 3(.-' /, /-(1.3(*' E9(' ';.-' /66' -'*.' /' 6'+(4' 8. . , ' & (7' *' /- 3:' ('&.-*' /3)' '+' /' +/2-0' *'' *'6)' (7/(' 3'' .3: 3.' 83'&3' (' /30 .3(' &/-+/-.' 0'96)' *7/8.' '-' 93).-1 3.' (N' .(' (' *' , -'2/26.' (7/(' (7.' =/66' ' 1/3' 3'26.*' 7/)' 6((6.' (' +./-' +-' 1' /34' ', .3' /**/96(' '+' =.-1/3' +'-0.*' 3' -. :96/-' &/-

G F5' ' H' Q') ND@' @ M F?' CDP@ Q)' ?OD) N' C) F D @') LD C C)) QN' L?F?' ' KQC' @ DO EQC' NOD@EC' @) N' Q)' DL O)' @?C ? QN' C' O ? L D@ ' KQ)' T) @@?O?F) QN' F?LQOFD) KQ@ Q ' N?@E' O' B_' D D C' MD' #? EC' ?')' C) D' ? ' DLQ@E @QC' ?@' MD' 7Q PQ@E) @' O @LDC

' ' ' G ') E'

' 9' E?' ?QF) @PDC' 8 ! ' : ' OO' GII' < [' 7 ' O' IW

' DD' MD' @CL O ?@' @' " 8' U ' G<A' ' L' 9) Q DF' ' <B[' 8) E) @QC' #) C' 5 5' @' [I' ' L' (' * ' U ' G' G_G' &D' @EQLDE' ,) QFOM@C' ?' EDCD ' V? ' @QC') @E' CFD#' M) ' QCQ OD ' # M' M C' ?#@ M) @E' &D' #) C') D@E' ? ' ' VD ?ND') @E' , QPQC @D' L' 0FTNO ?E' e' G I ' , QP') 5' GH_' & D ?@') 5' GAI' E?@') 5' ' I' KF) LSD@C' MD' LM)) L D ' ? ' 8) E) @QC' 7Q ' M C' ?O @ ?@' N) T' KD') LL?Q@ DE' ? ' KT' MD') L' M) ', Q D P@D' M) E' CQOO? DE' V? @QC') @E' M) ' C?ND' ? ' C' N) P@) DC' M) E' KDD@' OQ ' ?' ED) M' ? ' MD ' CM) D' @' MD' N? DND@ ' J DP' %Q ' ' I

' (, ' UU

' 1' UU ' GA['

@?@' F4?C' N) LMF@)' NQ ?C' @?@') LC' ' ; RQ?CC) D') FDKQQ

('+/0.& (7(7.,-'26.1''+:';.-3 3:M/ '1/3,',96/('3 *7'96)3'(7/;.6./-3.).3'9:7 /(3'('0/--4'3'/6'-)3/-4 0'3;.-*/('3 E9(&(7/66(7.-/1+0/('3*'+7*,'&.-/3) 3+69.30.7.0'96)3'() *,.3*.&(7 1.3'&7''&.-./26.2'7(('/); *.7 1''3'1/((.-*'+,'6 04'/3).5,-.**7*;.&*3),6'1/(0'6/3:9/:. B9*(/* '1.7/)'+'-':.3.-/('3*.1> ,6'4.)'2/-2/-/3'07.+*3'7.-'/-1.***'(7.2/-2/-/3'83:* 7/)'('.1,6'4'(7.'83'&6.):./3)'(.0730/6'*866'+''1/3' 6/&4.-*/3)'-7.('-*3'(7.-'07/30.-.*'7.-.'*'3''1'-.' *(-83:'+:9-./1'3:'(7*'06/**'(7/3'(7/('+'.''(7.1 3*(.-' +'9-0')9-3:'(7.'6/*('4./-*'+'(7.'3).,.3).30.''+'9;.-:3.' .'&/*'3.''+'(7.'096(;/(.)'9,,.-'06/**'+'/-2'33.'/3)').*0.3).)'+-'1'(7.':-./('-/('-'-'3('$'*'-.,9(//('3'2'(7'/*' /'%9-*('/3)'/'6(.-/-4'1/3'*(''); .-4'7:7N'.''/,,./-*'('7/;.'0'123.)'(7.'+.-;'9-'+'/<(-9.'/(7'60'&(7'(7.''6)' +/*7'3.)''1/3'; -(9.*'*'3+69.30.'&(7'9-0'&/*,'&.-> +96'/3)'('('&.'1/4',-'2/2664'/((-29(.'(7.-.*('-/('3''+')'39*'('7*')'0.*.'/3)'(7.'(6.-/3('/)13*(-/('3''+' 9;.-:3.'93).-'/'/(7'60'/3)''1/3':';.-3'-'('*'0.-(/3664' /'09-'9*'+/0('(7/('/'*30.-.'/(7'60'68.''*7'96)'7/;.' *7/-.)'(7.'0'93*.6*/3)'3+69.30.)'(7.','6 04''+'/'2:'(.)' -/3'68.'9-0'3'(7.-'=/66''1/3'+'(7*(1.'4/:-9*' 2.6'3:3:('/'0'3*96/-'+/164'/('4'3*'&/*'*.0-.(/-4'('(7.' E9-:93)/3'83:N'.'&/*'009,.)'/00'-)3:'('')'39*' 3'(-/3*6/(3:'/(3').*,/(07.*3('='=.-1/3'/3)')'39*' &(7'1907'.5/::.-/('3').*0-2.*7'&'(7.','6*7.)'*07'6/-' 3'9-*7.)''3'0.-'/3)'-:6'7/)'*'1/*(.-.)'(7.'=.-1/3')'1'(7/('(7.'2/-2/-/3*)-./).)'('',.-,.(-/(.'/'2/-2/-*1' 3'7*,-.*.30.M

7./*0.3).304''+'*907'1.3'&/*)9.'('(7.-'83'&6.):.''+' /++/-*'(7.-'6.:/6'6./-33:''-'(7.-'6(.-/-4'*866' E9('+'&.' 1/4'%9):.'24'(7.'0/*.''+'' ;(9*'*'1.''+'(7.1'))'3'(' *7-38'+-'1'+'-(+43:'(7.-'3+69.30.'24'/'+6/((.-4'/3)'/))-.**

'E')5''W'7QCOD@ED'OD ?)@E' FFQE'LDFDKD NQN'FQND@'R)?E'@' @QN'ODL QC'OD'CQLL EQ1')D)DC')K'))?'9?@?@'D')@C Q@E Q

'E'(,'UU'B

'E')5''<'%M C'T)P QC'#)C' P D) P)@EC?@'?'MD'9F) QC',)@ QC' T)P QC'#M?'#)C'L?@CQF'@'WHG')@E' #M?'#)C')' D@E'?'TNN)LMQC')@E

,QC?@ QC'b DDLS7''2 'L U"'& C' ?NK'@D)'3T?@C'#)C'C FF CM?#@'@' MD'N EEFD'?'MD' M'LD@ Q T'b E')5''G_"'%MD')N FT'#)C'O ?K)KFT' ?':)FF?'C ?LS'%MD'DC)DC'N)T' M)D'KDD@'@D)'?CC?@C'bL':DP'%Q' 6'/''GH"' N?@E''O'< ')5''<'RQ?E'D'O)DCD@D'?N ED' F@PQ)D'CQ)D')LD C'K) K) QC'K) K) C' NQN

3 '(' /6& /4*' 0-.) (/26.' ('' (7.' 0'9-(.-<*' , - 30 ,6.* ' ' ; (9* ' /' ' 1 /3' '+' 7 :7' -/38' & /*' 2 *7 ',' '+' .33.' 3' (7.' -. :3' '+' =93) '2/6)' /3)' &-'(.' *' 1.') .*, /(07.*' *(66' .5(/3('' '3' 7 *' 2.7/6+' ('' (7.' /*(.-3' .1, .-'-' 7.' E9-:93) /3', - 30.' &/*' /3' -6/3 $' 29(' ; (9*' /++.0(*' ('' 2.6 .;.' (7/(' 7.' *' /' *' 93)' /(7 '6 O' /(' 7./-(' /3)' *(46.*' 7 1' (7.' , -'(.0('-' '+' (7.' /(7 '6 O' +/ (7' =93) '2/6)' 7/)' 0'1, /**.)' (7.') ./(7' '+' 7 *' (&'' 2-'(7.-*' 7 6, .- 0' /3)' =93) .1/-' /3)' (7/(' '+' 7 6, .- 0<*' C9..3F' 4.(' (7.' 2 *7', ')'.*' 3'(' 7.* (/(.' ('' */4' (7/(' =93) '> 2/6)' 7/)' *7.)' , '9*' (./-*' +'-' (7. -' +/(.' /3)' 0'3:-/(96/(.*' 7 1' '3' (7.' :'')'+'-(93.' &7 07' 7/)' -.) 90.)' (7.' 3912.-' '+' (7.' -'4/6' +/1 64' /3)' 4.(' , -.*.-;.)' ('' (7.' &'-6)' /66' (7/(' *9++ 0.)' +'-' (7.' 1, -.' 7.' , -'2/2 6 (4' (7/(' (7.' '2%.0(' '+' ' ; (9*' &/*' ('' 1/8.' /' , '& .-+96' 0'3;.-(' & 66' 7/-)64' 2.' /66'&.)' ('' .509*.' *907' /' +6/:-/3(') *-.:/-)' '+' (-9(7' /3)').0.304

E9(' /-(*' 6 8.' (7.*.' *..1' 33'0.3(' &7.3' &.' (9-3' ('' /3'(7.-' 06/**' '+' '1/3*' &7'' +6'9-*7.)' /(' (7.' =.-1/3' 0'9-(*' 24' 1./3*' '+' (7.' 1'*(' *7/1.6.**' (-./07.-4' /3)' 0'--9,('3' 7.4' /-.').*0-2.)' 3' /' 6.((.-' ('' /' 1/3' &7'*.' 2-'(7.-' , '66 3/-*' 7/)' 2..3' *.0-.(64' /009*.)' ('' 3:' 7 6, .- 0' '+' *(- ; 3:' 24' 7 *' 3(-:9.*' ('' *.09-.' (7.' /00.** '3' '+' / *' 3*' ('' (7.' 3.&' 1, .-'-' B96 9*' ., '* N' , '66 3/-*' &/*' (79*' (7-./(.3.)' & (7' -9 3' 24' '3.' '+' (7'*.' &-.(07.*' '+' 7 *' '&3' -/0.' &7'' */&' (7.' 07/30.' '+' :/ 3' 3' (7.' :.3.-/6' 93-.*(' /3)' 3*.09-(4' 7 *' (-2.' '+').6/('-*' /-.').,0(.)' 24')'3 9*' & (7' /' :-'(.*C9.' .6/2'-/('3' '+' /3((7.* *' &7 07' 1 :7(' 0-./(.' /' *9*, 0 '3' '+' 7 *' (-9(7+963.**' +' (' &.-.' 3'(' +'-' (7.' ('3.' '+' :.39 3.' 0'3(.1, (' (7.' Q' */.;/' 3) :3/(' R' &7 07'-93*' (7-'9:7' (7.' &7'6.').*0-, ('3' .-*.)' 3' (7.' 3(-0/0.*' '+' (7.' 6/&' (7.4' 9*.' (7.-' 83'&6.):.' ('' , .-;.-(' (7.' 0'9-*.' '+' %9*(0.' 24' .;.-4' *, .0.*' '+' 07 0/3.-4' 0/69134' /3)' 0'--9,('3' 7.4' /-.' -./)4' ('' /(((/08' .;.-4' -:7(' /3)' *.66' .;.-4' 0'30.** '3' ;.-4' 06/**' 3' (7.' 0'1193 (4' *' 1/).' ('' +..6' (7/(' (' *' /(' (7.' 1.-04' '+' (7.-' *, (.' '-' (7.-

' J DP' %Q ' $- ' / ' 3' WA

', ')5' ' ' ?' , NOD D' ' %' ' ' A[W

' E')5' %' B')@E' _' @) NR QD' L?@ ' N) 'N)P C ?' N F QN' M FOD L?' DF) Q' D@D@) ?' RQ? QNO)N' CLDFD)) QN' ' Q)CD' CDL D ?' @CQ)Q) QN' Q?' O)D' L OQD' @)LM @) Q' ?OO EQN' 2)C ?@DQCD O) KQ)' @? ' O @L O)')OOF L) ' N?@E' O' B<' C)TC' @? QC' O @L?OC' ^' C')' ;?N)@' DNOD ? ' KQ ' @' MD')O E' CQL?D)C Q@' ? ' DNOD ? C' ' C' @? ' LFD) ' #M?' C' D D DE' ?' @' 3QD Y?M)Q@ C' DE ?@' ? ' ' ' bO' AW'' MD' ' D D D@LD' C' C) E' ?' KD' ?' VQF QC' - DO?C' ' #M?' CQLLDDEDE' JFTLD @C' MD' @?N @DD' ? ' JQ@E?K)FE

09,) (4 .-. ;96:/-/);.3(9-.-*(7.4/-.Q3('50/(.)'24 (7.-3.& &./6(7R/3)+66.)& (7.3;4'+(7.3'26.'-).-& &7'*.2-(7/3)2-..)3:';.-*7/)'& (7.1 (*;.-4 07/-/0(.-*(0'+(7.'06/**'/3)',-')('&707)'39*2.6'3:* (7/('(7.').6/('-<* :3'-/30.'+*'0/6 9*/:./3)7*.--'-* 3)-.**/-.'6/*7.)& (7/61'*('/*:-./('*.;.-(4'/*7*0-1.*F /3)('*/&.60'1.':6./1'+*93*73.'3'(7*0.3.'+;96:/- -/,/0(4('6./-3'(7/(')'39*+-.3)',' 3/-*&/*/;.)' +-'1'7*,.-6'24'(7.'83)64'/3)'&'1/364'/-(*'+(7.',' 9* C9..3'+76,.-0$

7.'=.-1/3':';.-31.3(*'&707'*900..).)('(7.'1/3' /)13*(-/('3'93)'92(.)64'&.-.'/*/35'9*/*(7.-',-.).> 0.**'-*('',-.;.3(',693).-'/3)';'6.30.'3'(7.-'(.--('-.*M E9('3'(7.',-')'+(-/3*('3'&707'&.'/-.').*0-23:'2'93)> /-.*&.-.'+690(9/(3:'/3)'930.-(/3'*'0/6 2'3)*&.-.'-.6/5.)' /3)'/9(7'-(4'&/*&./8.3.)' 7.-.'/-.'3)0/('3*(7/(' (7.'-'/)*&.-.'3'(' /6&/4*'*/+.'/3)'(7/('0'9-.-*1:7(' 7/;.' (7.5').*,/(07'2/:*.5/13.)N' '1.'+'(7.'6.((.-*'+')'39* /-.'&-((.3'&(7'/3''2;'9*-.*.-;.'/*'+'(7.'4.'1:7('0'1.'93).-' (7.'.4.*'+',-*'3*'&7''&'96)'9*.'(7.'0'3(.3(*('(7.',-.%9)0.' '+'(7.'&-(.-' 3''3.'&-((.3'3'E9-:93)/3'(.--('-4'76,.-0' /3)'7*C9..3'/-.';.6.)' 1).-'(7.'3/1.*'+' 9091''/3)' /3/C96N' ('/3'(7.-'(1.'+*'1.'/35.(4'(7.'2*7',' .1,6'4.)'/'+-.3)64'B.&'('0'3;.4'/'6.((.-'('/-2'33.N' .'/-.'/009*('1.)'('(738'+'(7.'=.-1/3'83:*/*&.6)3:' /3''; .-&7.61 3:',' &.-'';.-'/0-9*7.)'/3)'0'3C9.-.)',',96/> ('3' E9('(7.'1/3',',96/('3'+/-''9(3912.-.)'(7.'3;/).-* /3)'(7.'1/3'312 6(4'&.-.'&./6(74',' &.-+96'/3)'/2';' /66'2'93)'(':.(7.-'24'(7.'06'*.*('(.*'+(-/)('3'/3)'096(9-.' 7/('(7.'=.-1/3*3*,-.)'+./-'*0.-(/3F29(''*.C9/664' 0.-(/3'(7/('(7.4'&.-.';.-4'*.3*(;.'('(7.':'')'-'.;6' ',3'3*7.6)'/2'9('(7.1'24'(7.-'1/3'3.:72'9-*'/3)' .*,.0/664'('(7.'',3'3'+'/3'.5069*;.'/3)'+/*()'9*0/*(.

'F5' '_' DNOD)' 3QLQN?@DN' @?C)N' %)@)R@F CQ)' MD' M)E')' P D)' D D D@LD' ?'7 CM?O' 5) D@C' F5' ' GA' ?N ?' D')F' CDNOD ')PD D' DNOD)ND@ ?' C L' CDNOD ' MQN)@Q @' C L')K) DN QN' YQE L) ' Q ' ??@C D ' @' EDC @D@ D ' DPD)' b M FOD LQN'" O)D' CD@ ?N' O)@E)' Q)' DP @)N' F)QE) D' YDYQQ)' 9?' MD')P L' D@E' !' J DP' %Q' % ' / ' AH

'8 'F- - .('I%0 '" '6 J' L)O' % 'U ' '%%& ' % &

' E' F5' U' <')O LDC' @?C ' @X L O D@'L?NND) D'RQ?@)N'LDCC)@'DCCD' CQCOD? ' L ' H' F '

' 1 ' _

' ' ' ' J?])F)C' @) ?@C' VQE)DQC' ' ' ' ED D ' F D)C' ND))'RQ?C'P)@E D')@U QC' DU))

)'3 9*' 93+'-(93/(.64')'.*' 3'(' (.66' /*' 1907' /*' &.' 0'96)' & *7' '+' (7.' +'-(93.*' '+' (7.' ') 1' * 6.3(' 1/**.*'R' &7''
9++.-' 1'(' 3' :-./(' *'0 /6' 0'3;96* '3*' .(' & (7' (7.'*'1.>
&7/(' 2'93).)' ; * '3' '+' (7.' '1/3'/-*('0-/(' '+' (7.' '&.-'
1, -.')'3 9*' 3'7 *'6/(.-'4./-*') *,6/4*' /':.39 3.' 7-*(/3'
*41,/(74' & (7' *9++.-3:' &7 07' 7.' *(-';.' (''/66.;/(.' 24'
07/-(4' /3)' ., *0',/6' 3+69.30.$' 7.' /:'34' '+' :-.+' /3)'
).*'6/('3' 3('' &7 07' 7*' '-,7/3.)' +6'08'&.-.' (7-'&3'24'(7.'
)./(7' '+' (7.-' 2*7',' *..1*' *(66' (''(7-'2' 3' (7.',/:.*' '+'
=-.:'-4' '+' '9-*F'Ñ /3)' 7.' 7/*' 6.+(' 7.-.' /3)' (7.-.' *8.(07.*'
&7 07'-.;./6'/*' +'24'/'*9)).3'+6/*7'(7.';0 ** (9).*' '+'+'-(93.'
('' &7 07'(7.'791 26.-'06/**' 3'(7'*.')/4*' 7/)'('' *921 (
7.' 0'93(-4') *(-0(*' *9++.-.)' 1'-.' +-'1' 2-:/3)*' (7/3'
.;.3'+-'1'=.-1/3'2/3)*' '3'(7.'&/-,/(7'-'+-'1'=.-1/3'*, .*'
.' 7/;.'*..3'(7/(' 3'(7.'6/*('0.3(9-4'+'(7.' .*(.-3' 1, -.'
2-:/3)/:.'&/*' '3.'+' (7.' 1'*(' 1.3/0 3:'.;6*' '+' (7.'(1.*'
7.'-/38*' '+' (7.'-'22.-'06/**' &.-.'*&.66.)' '-'*9,,'-(.)' 24'
(7.'/:.3(*' /3)' *7.,7.-)*' '3'6'3.64'.*(/(.*'24')*.-(.-*'+-'1'
(7.'/-14'24'2/38-9,(' +/-1.-*' /3)' 2-'8.3' 1.3' &7''+64 3:'
+-'1'/'*'0.(4'&7 07'7/)'0-9*7.)'/3)')*.+-/9).)'(7.1'-'*.'9,'
+.-0.64'/:/3*(' (''/3)':-/(+.)' (7.'3*(30(*'/(''30.''+':-..)'
/3)''+'-.;.3:.N' 7.':-./('3'26.'3'7*'*(-'3:'7'9*.'*9--'93).)'
24'(-'',*''+'06.3(*'/3)'*.-+*'0'96)',-'(.0('7 1*.6+'/:/3*('(7.'
/((/08*''+'(7.*.')*,.-/)'.*F' 29('(7.'*9++.-3:*''+'(7.'1./3.-'
*'-('1/4'2.'3+.--.)'+-'1'/'*3:6.'30).3('-.0'-).)'3'/'
6.((.-''+')'3 9*' ','-'&'1/3''+'(7.'6'&.-'06/**'7/)'
2..3'0/--.)''++'24'(7.'-'22.-'2/3)*'83'&3'3'=/96'24'(7.'
3/1.''+' /-: M' 7.'7/)'2..3'(/8.3'('' -'4.*'/3)'(7.30.'('
'(7.-',6/0.*' .-'-.6/(;.*'+'-'/'6'3:'(1.'+'66'&.)'7.-'
(-/0.*'3';/3' ('6/*('(7.4'(-/08.)'7.-'('' 9;.-:3.'&7.-.'
7.'7/)'2..3''6)'3'(7.',926 0'1/-8.('/'0.-(/3' -9).3*''+'
-'4.*'7/;3:'3;'6;.)'7 1*.6+'3'(7.'(-/3*/0('3'24'*:3 3:'
(7.'0'3(-/0(' 7.',/**.)'+'-(93/(.64'3('' (7.'7/3)*''+'/3

G DD' MD')FD' @' J DP? T' ?'%?Q C'
)K?Q'M C'P @P' M C' OF) D' @' LM) T'
@DC? D@ D' QU? D'$ (' /' ' AA
'J DP'%Q'*'/' 'AW'L NRQD'
FFQL' I ' @' DLLFDC)N'' FF) QC' DCCD'
L?@ D@ DK)')E' DQN' NQF QE?' ? QN'
)L' NQF D QN' C @NFRQD' D)N' D @)@'
QN' OF)@PD@ QN') RQD' E QD@ QN'
U'@?C' EDCD C' O)C ?'K?@D' DF' L@

@?C' RQ)C'? OM)@?C' ED DF @RQ)'Z
)F ' '"-1'4 ' 'A 'AB'?@'
MD' 7)P)QE)D' ? ' .QP OO' ! '
L C@@' O = 'F) ?@DC' ' 'RQ?C QFPQC'
CL)ND)C')OODFF)K) ' 9)Q@DF' ' <'
f?C' ' A ' N?@E' DE', O?FF' E'
O'B<
' E')5' ' ' L 'DE', O?FF' E'
@'%0 ' " ' '%'O' _

/:.3(' '+)'39*'/3)' 7.-'+-.3)*' /,,./6.)' ('(7.'2*7',+'-'-.)-.**' .'+'93)'(7/('26'')'7/)'2..3'*7.)' 3'.++.0(3:'7.-'0/,(9-.'/3)'(7/(' 7.-'-.6/(;.*' &.-.').(.-13.)' (' 7/;.'*/(*+/0('3'+-'1'(7.''++.3).-*' /(' /66'0'*(*' 3)'7.'&-(.*('' 9,9*''+' -'4.*'('*.09-.'(7.'7.6,''+'7*':-./(' /9(7'-(4'3'/--/3:3:'/3'/10/26.'*.((6.1.3(''+'&7/(7-./(.3.)'('2.'/')/3:.-'9*'+.9)' 3'/3'(7.-'6.((.-';-.'7/;.'(7.'(/6.''+'/'1/3' 3').0'3<*' '-).-*'&7''&(7'7*'+/164'Q'7/)'+6.)'+-'1'(7.'&7-6&3)''+'(7.'='(70'-/;/:.*R'/3)'7/)'*.((6.)''3'*'1.'079-07'6/3)*''+'(7.') '0.*.''+' 95.--.$' 7.'*C9/((.-'7/)'*'&3'(7.':-'93)'7/*(64'+'-'(7.'3.5('7/-;.*('/3)')'39*',6./)*'&(7'(7.'.,*0',/6''&3.-'(7/('(7.'-.+9:..'1/4'2.'.509*.)'247*',';.-(4'+-'1',/43:'(7.'-.3('+'-'&707'7.'&/*6/26.' 3'(7.-'30).3(''+''2*09-.'1*+'-(93.'*7'&*'(7/('(7.''1/3*'7/)''+(.3'/*'1907'('+./-'+-'1'(7.-'/66.*'/*+-'1'(7.-'.3.1.*' 3(7.19*'7/)'.3:/:.)'/'0'-,*''+![AAA'E-.('3*'&7''&.-.'C9/-(.-.)'93).-'/'07.+''(7/19*'3'(7.''-.'('07.08'(7.'/);/30.''+'(7.'*:'(7*'('(7.'3'-(7N' 7.'E-.('3*'&.-.').+./(.)'24'9-0'/(')'6*'/3)'+6.)'3('(7.'(.--('-4''+'(7.'E9-:93)/3*'(7.3''3'+-.3)64'(.-1*'&(7'(7.''1/3*N'ME9('(7.4'&.-.')/3:.-'9*'3.:72'9-*'+'-'(7.',.',6.''+'9;.-:3./3)'*9,,6.1.3(.)'24'-/)*'(7.',-.0/-'9*',/4''+'(7.'1,-.'3''3.''+'(7.*.'(7.4'0/--.)''++'(7.'*6/;.*''+'/','-'+/-1.-'&7'',,./6.)'('7*'2*7',+'-'-.)-.**M')'39*'L&-'(.'('(7.'E-.('3'07.+'.5,6/33:'(7.'1/3<*':-.;/30.'29('7.'*..1*'('7/;.'7/)'*'1.')'92('/2'9('(7.'-.0.,('3'&707'7*'7912 6.'06.3('&'96)'1..('&('/1'3:'(7.*.'6/&6.**'&/--'-*

68.'3'=/96'/3)'3',/3'(7.'7'--'-*''+',.*(6.30.'/3)'+/13.'7/93(.)'(7.'(-/08''+'(7.'3;/).-*N' 3'(7.'3;/*'3

'E''@'G['MD'LQN')NF)'HQ)'EDO)DE)?@)'J?ML)D'QK@DN')@C'@'D?QN'Q@N'EDF)QC'DC

'V?E)@'"''?'UF'%MD'@)ND'?'MD'LMD'C')?QCFT'CODFFDE'/?NQC'/?MNQC'/Q NQ)'/?NQC'KQ'MD D'C'4 FD'E?QK'MD'C'MD'C)ND')C'MD'/?MCNQC'?''E')5''I

'J DP'!'','/''L'GH'7)@@'ED'7Q L)')'0?M C'DUOQFC'CQ@'NQF C')OQE'8?FD@CDN'LQN'OD DNO C',C'?#MD MD'MC'L?OC'#D D'@CQF)'7?@C'?',N?L)@

7'9)Q DF''W[A'V?E)@'-'L'UF'C)TC'MDT'L)ND'?'7D T'KT'CD)'RQ?QN'DU'/?NQC'LQN'EQ?EDL N'NF)'b F'NFKQC'"D@D@C'@'7DQ P)C'L)D'b F'L)DN'"0LD)@?'D@)KQC'DP DCC?'CQCLDO Q)'DC

'E')5''I

'E)'(0')E')'[I')NDC'E)'P?CC)Q')ED?'Q'MQN)@)D'L)NDC'K'MQN)@?'PD@D D''NC'QD@'ED?)D'D L''E')5'3'_'N)?'YDYQ@C'O)DF)?DC'''')QFC))'NQ)FKQC'NC'MD K)C'@'LKQN')U)QC

'+ 9;.-:3. (7. * :'(7* 29-3((7. *(/3) 3: :-/ 3 7. 0)93(-4 ,.',6. &7'*. 0-',* &.-.).*(-'%$.) &.-. '+(.3 +/-' +-'1 1/-8.(* /3)).,'(* '+ *9,,6.* /3) 19*(7/;. 2..3 -.)90.) (' (.-- 26. *(-/ (* +'-+ +'') 7 * &/* (7. 0'3) ('3 3 (7. 6/(.-. 4./-* '+)'3 9* 2'(7 '+7 * '&3) '0.*. /3) '+ /&).*(-.(07 '+0'93(-4 /6'3: (7. 7'3. &' 1.3 &7' 3 *, (. '+(7. -. -/38 3 (7. -. '&3 /:. &'96) '(7.-& *. 7. 7/-)64 83'&3 (' 9* 7/;. 7/) (7. -. 3/1.* ,.-,.(9/(.) +'-. 1.-0 +96 193 + 0.30. 3 (7. -. .++'-(* (' -.6 .;. (7. 1 *.- .* '+ /+/1 *7 3: ,',96/('3 3. * 0) 0 9* $ (7. *'3' '+ ; (9* /3) (7. 0 ;/6-'9*).+.3).-' '+ 9;.-:3. 3 (* 6/*(*(-9::6.* & (7 (7. * :'(7 0 ,'&.-F (7. '(7.-* /(.3*N (7. */ 3(64 /3) ,- 30.64 2 *7',' '+ 4'3* &7'*. */30((4 0/*(/' *,.66 '3 (7. + .-0. (.1,.-' '+ (7. E9-:93) /3 8 3:*

.((7. *(9).3('+)'3 9* & 66 + 3) (7. 3'(0.* '+; '6.30. /3) &).*,-./) 0/6/1 (4 +/3(/3) 3+-.C9.3(7.-. * 3'(7 3: 3 (7. +'-(93.* '+ =/96 3 7 *)/4* (' 1/(07 (7. *'0 /6 07/'* /3) ,.39-4 /3) *9++.-3:' '+ '-091 &7 07 &.-. -.6 .;.) +'-' /' (1. 24 (7. 7.-'0 .++'-(* '+ ' .;.-39* M 7.-. * /' &). 3(.-;/6 2.(&..3 (7. + -*(& 6) 0- .* '+ (.--'- '- /0(9/6 *9++.-3: &7 07 -'*. /* (7. 9.;.* /3) /3)/6* *&.,(';.- =/96 /3) (7. 1'-.' '- 6.** & 66 3: /0C9 .*0.30. 3 (7. -96. '+ (7. E9-:93) /3* /3) * :'(7* 3 (7. ./-64 4./-* '+ 9- 0< -. :3 &7 6. (7. +/(.' '+ 9;.-:3. &/* *(66 93).0).) (7.-. 19*(93)'92(.)64 7/;. 2..3 1907 *9++.-3: .*,.0 /664 /1'3: (7. 6'&.-' 06/**.* '+ (7. = /66' '1/3 ,',9> 6/('3 /3) (7.-. 19*(7/;. 2..3 /: :.3.-/6 *.3*. ' '+ 3*.09-(4 /3) /3 3(.--9,('3 '+ 3(.-0'9-*. /3) 29* 3.** .((7. 1,-.** '3 6.+(24 (7. 6.((.-* '+)'3 9* * (7/(1.3 '+ 7 * 06/** *9++.-.) 1'-. 3 (7. -' 7',.* /3) *.3(1.3(* (7/3 3 (7. -' 1/(.-/6 +'-(93. 7. -' /2/3)'31.3(24 (7. 1, -. (7. -' + 3/6 *.;.-/30. +-'1 (7. :-./(1,.-/6 *4*(.1 0/9*.) /* 7'08 '+ :-.+ /3) 3) :3/('3 &7 07 + 3)* ;'0. 3 (7/(,/** '3/(. 6.((.-& 7 07 *'93)* 6 8. (7. ., (/,7 '3 ;.-3 /3 +-..)'1 7.4 *..1.) (' 2. 6'* 3: (7. -7.-(/:. 3 (7. 6'3: (-/) ('3 '+ '1/3 096(9-. (* 3'(+./-' '+ (7.

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I& (7'9(:'')' :-'93)*' 3' (7.' +'9-(7' 0.3(9-4' .66.3 *1' &/*' /61'*(' *43'341'9*' & (7' 7/(-.)' '+' (7.' 7- *(/3' +/ (7' /3)' (7.' -./0('3' '+' B96 /3' &/*' /' 0'12 3.)' .+6+'-(' '+' (7.' *07''6*' /3)' (.1,6.*' ('' /--.*(' (7.' /);/30.' '+' /' 1';.1.3(' &7 07' (7-./(> .3.)' 2'(7' /6 8.' (' *' (-9.' (7/(' (7.' '-).-' 3' &7 07' B96 /3' -'3 0/664' 2/3 *7.)' 7- *(/3*' +-'1' /0/).1 0' 6 +.' *7'&*' (7/(' 1/34' '+' (7.1' 19*(' 7/;.' 2..3' .3:/:.)' 3' ($' 3)' 1/34' '+' (7.' 7- *(/3' +/(7.-*' /3)' 0'3(-';.-* /6 *(*' &.-.' '- : 3/664' (./07.-*' '+' -7.('- 0M' .(' 3' (7.'6'3:'(-90.' 2.(&..3' (7 T' (&'' -.6 : '3*'&7 07'.3).)'& (7'=-/(/3' (7.')-./)' '+' (7.' /669-.1.3(*' &7 07' 69-8.)' 93).-' /' ,/:/3' .)90/('3' &/*' /1,64' 0'3+ -1.)' 24' &7'6.*/6.' /,'*(/*4' &7 07' .;.3' 3' (7.'-. :3' '+' 7.')'* 9*' 7/)' ('' 2.' -.*(-/3.)' 24' (7.' (.--'-*' '+' (7.' 6/& N' 3' (7'*.' ;.-4' 4./-*' 6 0.3(9*' /')./-' +- .3)' '+' ' 9:9*(3.' /3)' '3.' '+' 7 *' 0'1,/3 '3*' 3' (7.'-.(-./(' '+' /** 0 /091' &/*' --.* *(264')-/&3' 2/08' 3('' (7.' &'-6)' '+' ,/:/3' *.)90('3*' 24' (7.' *92(6.' 07/-1' '+' 6 (.-/(9-.$

' .(' 3' *, (.' '+' /66' (7.*.')/3:.-* /3)' *9*, 0 '3*' (7.' 79-07' '+' (7.' .*(' & (7' (7/(' ,-/0(0/6' *(/(.*1/36 8.',-9).30.' &7 07' *.6)'1').*.-(.)' (' 2.:/3' 3' (7.' +'9-(7' 0.3(9-4' ('' 0'1.' ('' (.-1*' & (7' ,/:/3' 096(9-.' /*' (' /00'11 ') /(.)' (*.6+' .;.3' 3' *'1.').:-..' ('' ,/:/3' *9,.-*(('3' 7.' /(((9).' '+' ' /96' ('' (7.' .)90/(.)' &'-6)' &/*' 3'' 6'3:.-' ,'** 26.' (' &/*' 3'' 6'3:.-' (-9.' Q' (7/(' 3'(' 1/34' &*.' /-.' 0/66.) R' 6(7'9:7',-'2> /264'/' 1/%'-(4''+' (7.' .3/(.'&.-.'.(7.-',/:/3''-'3.9(-/6'.;.3' /(' (7.' .3)' '+' (7.' 0.3(9-4' 1/34' '+' (7.' 3'26.*(' /3)' 1'*(' 096> (;/(.)' 7/)' +-'1' (7.' (1.' '+' '3*(/3(3.' 2.0'1.' 7- *(/3' 3)' /2';.' /66' (&'' 1.3' ' B.-'1.'/3)' ' 9:9*(3.' 2'-3' /2'9(' (7.' 1))6.' '+' (7.' 0.3(9-4' /3)').*(3.)' ('' 3+69.30.' 1'-.' (7/3' /34' '(7.-*' (7.' +9(9-.' '+' (7.' .*(.-3' 79-07' &.-.',.3.(-/(.)' & (7' (7.' *, -(' '+' (7.' /30.3(' *07''6*' 3)' (7.-' /(((9).' ('' (7.' ,/:/3' 096(9-.').(.-1 3.)' +3/664' (7.' /(((9).' '+' (7.' 79-07

' %MD' DE L' CDF' C' @?' DU)@' 7Q' L' VQF)@C')5' A' '8 -5' '' ,L5,,9 ' /,-A' ' +/ 1;/+ ' +/+ ' ,NN' 1) D' UU 'G[' ' 0 ?C' 'W[' e' W' ,QP' (!'4 'U 'L'<A $' TO)@' b& D ?@' ' 79') ' B_"' ,Q?KQ)' b& D ?@' (0 ')E')' WA["' 3)L)@ QC' N1')E')' HGI' ' MD' #)C' Q?' ?' CO@C"' ' ,QPQC @D' 30!3' '_' GA"' ' J DP' %Q' 6

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3'2'(7' 'B.-'1.'/3)' ' 9:9*(3.'(7.'',,'*(.'(.3).30.*'
-.,-.*.3(.)' 24' .-(966 /3' /3)' +04' /0(/3(9*' 0/3' 7.' 06./-64'
..3' 'B.-'1.'&/' (7.'1'*(' 2-66/3('9,6''+'(7.' '1/3'
07''6'93).-' '3/(9*' .'&/*'.**.3(/664'/'*/;/3(' 7.3'
7.'+6.)'('(7.').*.-(*''+' 7/60*'7.'(''8'7*'2''8*'&(7'71$'
7.'+/1'9*')-./1' 3'&707'7.'&/*'*911'3.)'2.+'-.'(7.'
(7-'3.''+' 7-*('/3)'03).13.)'/*'*(66'/'1.-.' 0.-'3/3'
3'*,(.''+'7*',-'1*.'('+'-*/8.'(7.',-'+/3.'*(9).*''+'7*'
4'9(7'6.+('71'-./664'1,.3(.3('/3)'(107/3:.)N' ('*'(-9.'
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,7-/*._'/*'1.-.'+'')''+')/.1'3*R'M' .('3'('1/34'4./-*'
/+(.-&/-)*'3'/'6.((.-'&707'*'/':6'-+0/('3''+'6./-33:'
7.'2'6)64').+.3)*'7*'0'3*(/3('-.+.-.30.'('',-'+/3.'/9(7'-*'
24' '/96<*'C9'(/('3*'+-'1' -/(9*'/3)' .3/3).-M' .'
&'96)'7/;.'(7.' 7-*(/3'1/).3'+-'1'7.'./-6.*('4./-*'
(-/3.)'3'(7.'2.*('=-..8'/3)' /(3'6(.-/(9-.N' .'71*.6+'
(/9:7('(7.':-./(' /9(7'-*'('(7.'2'4*''+'E.(76.7.1' '
9:9*(3.'/6(7'9:7'7.'7/)'3'('(7.'.-9)('3''+' 'B.-'1.'7/)'
/3'.C9/6' /)1-/('3'+'-'&7/('&/*'2.*(' 3'(7.'(7'9:7('/3)'
.5,-.**'3''+'(7.':-./(' /:.*' 7.'(/6.''+')''0'96)'1';.'
71('(./-*N' 3'0'12/(3:'(7.'(7.')04''+' /--''7.'3.;.-'
+/6*'('*,./8&(7'/)1-/('3'+'-'7*'.3'-1'9*'6./-33:'/3)'
3)9*(-4<' *'-.;.-.30.'+'-' 6/('*' '364'*.0'3)'('7*'
-.;.-.30.'+'-' '64' -(N'/3)'7.'&'96)'/61'*('7/;.'+'-:;.3'
(7.',/:/3*'+'(7.47/)'.-.0(.)'/'(.1,6.'('71N' 7.'6)'
-7.('-0/6(-/33:'&707'6.+('(*'1/-8''3'.;.-4(73:'7.'&-'(.'
71*.6+'7.';/69.)'/*'/'*,6.3)')*0,63.'+'-'(7.'1/3'&7''
7/*('1';.''-',.-*9/).'7*'+.66'&*' ('*'(-9.'(7./30.3('
/,'*(6.*'/3)',-',7.(*'/-.'1').6*''+'(7.'7:7.*('.6'C9.30.''-'
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(7'*.'3'('*''06'*.'('(7.'*'9-0.''+' 3*,-/('30/33'(')*,.3*.

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& (7' (7/(' (-/ 3 3:' 3' 6 (.-/-4' (.073 C9.' &7 07' 7/)' 2..3' .6/2'-/(.)' 24' (7.'*8 66' /3)'.5,.- .30.' '+' . :7(' 793)-.)' 4./-*' 7/(.;.-' *' :' ')' 3'(7.' /30 .3(' (-/) ('3' *7'96)' 2.'%./6'9*64' ,-.*.-;.)' Q ,-'+/3' *' C9)' 2.3.') 5.-93(' 3'3' /*,.-3/3)91 R' 3'6./; 3:'(7.'*0.3.' '+' (7. -' 7./(7.3' 2'3)/:.' 7-*(/3*' 1/4' & (7'/:' ')'0'3*0 .30.'6 8.'(7.' .2-.&*')*,' 6'(7.' :4,(/3*' '+' (7. -' 1'-.' ,-.0 '9*' (-./*9-.*' 3'(7.'(-./(*.' 4' " ' ' 9:9*(3.' 7/*' *8.(07.)' /' *4*(.1' '+' .)90/('3' 3' '9(6 3.' -.*.126 3:'(7/(' '+' (7.' *.;.3' 6 2.-/6' /-(*' 29(' 3*, -.)' 24' /' 6'+(4').6' 9383'&3'('' /-(/39*' /,.66/'$

3' *, (.' '+' (7.' ,.-6' +-'1' ,/:/3' 6 (.-/-4' /**'0 /('3*' (7.' Q*,' 6 3:' '+' (7.' :4,(/3*R' 7/)' 2.:93' 2.+'-.' ' 9:9*(3.' &/*' 2'-3' (' &/*' *..3' (7/(' (7.';/- '9*' +'-1*' '+' 6 (.-/-4' .5> ,-.** '3'&7 07' (7./30 .3(' &'-6)' 7/)' +'-:.)' & (7' 3+ 3 (.',/ 3*' /3)').60/(.' /-(' 3' ., 0' '-' 64- 0' ;.-*.' 3' '-/('-4' '-' 7 *('-0' 3/--/(;.' 1 :7(' 2.' 1/).';.7 06.*' '+' E 26 0/6' 7 *('-4' '+' 7-*> (/3' (-9(7' /3)')'0(-3.' '+' +-.*7' ;.&*' '+' (7.' *900.** '3' '+' .1,-.' /3)' (7.',-';).3(/6' :';.-31.3(' '+' (7.' &'-6)' L B9;.309*' /' ,/3 *7' .006.* /*(0' '+' (7.'-.:3' '+' '3*(/3(3.' 3/--/(.)' (7.' :'*,.6' 7 *('-4' 3' 3'(' /6(':.(7.-' +/ 56(6.**' 7.5/1.(.-* M' -'2/' 3' /' 0.3('' '+' -:6/3' ;.-*.' -.6/(.)' (7.'*('-4' '+' (7.' -./('3'(7.' /66' /3)' (7.' 6+.' '+' (7.' .')..1.-N' 7.' .6).-' ,'66 3/-*M' /2'9(' (7.' 1))6.' '+' (7.' +'9-(7' 0.3(9-4' 0'1,'*.)' /3' ., 0' '+' 6)' .*(/1.3(' 7 *('-4' 7-*(/3' (-/:.) .*' 3' (7.'*(46.' '+' 9-,).*' /3)' 7-*(/3' ').*' 3'(7.'*(46.' '+' 3)/-' *' *'3'(9-3.)'(7.'='*,.6*' 3('') /6':9.*' /+(.-' (7.' 1/33.-' '+' 6/('' 7.' 64- 0' 1.(-.*' '+' '-/0.' &.-.' /,,6.)' & (7' /' *8 66' 3'(' 93&'-(74' '+' (7.' '6)' 1/*(.-*' ('' (7.' ,-/*.' '+' (7.' 7-*(/3' 1/-(4-*' 24' -9).3(9*' -'*9*' /3)' 96, 0 9*' .;.-9*' -.0/*(' (7.'7*('-4' '+' (7.'&'-6)' 3' (7.'6:7(' '+' /') ; 3.64':9).)' .;'69('3' 907' &'-8*' /*' (7.*.' /3)' 1/34' /' */0-.)' '-/('3' 1'96).)' 24' (7.' -96.*' '+' -7.('-0' /-./' ,'&.-+96' (.*(1'34'('' (7.' *(922'-3' ; (/6(4' '+' (7./30 .3(' (-/) ('3' E9(' &7 6.' (7.4' &./-' (7.' 0'3;.3('3/6

' ,QPQC @D' 4 ' " ' ' LL' H' GH 'VQ D@L')!, ' ' H[B' & D ?@' '7 ' 'L'H ' F? Q 'CQK' ?@C)@X @?'O @L OD' ')5' _['e' < '%DQ D' ' W[' @' G<' LMD@SF C' 00 ' , ' 01' (0 5' '. 5').. ' 'U

' 9?')@')LL?Q@' ?' MD' ,O?FF @) DC' 7' ?L' 6)..' 'L' GB' &D' P DC')' P??E' C) DND@' ?' MD') QED' ?' F KD)F' F C)Q T' ?')@L D@' F D)X Q D' -?D' 1' 2 5' =,%!' NAH,' 7A b ?T' PC' L :F , ' ! ' 7? CC ? ' 8 ' ' ! ' , ' ' AWI

:/-2''+'(7.',/:/3',/*('(7.4'/-./3 1/(.)'24'/'*,-('&7 07'*'/(').//)64'+.9)'&(7'+0 7.4'2.6'3:'('(7.'1.)/.;/6''-'(7.'1').-3'&'-6)' =-./(/*'(7.'1.-(*''+'*'1.''+'(7.'1'1/4'2.'-/)/3(/*'(7.4'/-.''+'(7.',-'1*.''+'(7.')/&3'4.(+'-'(7.',9-,'*.''+'(7*'&'-8'&.'19*((9-3''9-':/O.'-/(7.-'('(7.6(.-/-4'O6/**'&7 07'.;.3'&(7 3'(7.'7-*(/3',/6.'*(66'O693:'('(7.'096(9-.'&7 07')-./1('3644''+'(7.',/*(

7./1''+'(7*'07/,(.-'2.3:'-/(7.-('').*0-2./3)'/00'93(+'-'(7.('3.''+'/'O6/**'(7/3('/,,-/*.',/-(096/-'&'-8*''+'6(.-/(9-.'&./-.'7/-)64'0'30.-3.)'&(7'(7.';.5.)'C9.*('3'&7.(7.-'(7.'++(7'0.3(9-4'2.6'3:*'('(7.'7*('-4''+'/(3'6(.-/(9-./('/66'.-(/364'(7.'6(.-/-4').;'(..*''+'(7/(').*,*.)',.-')'&'96)'7/;.'3):3/3(64'-.O6/1.)'/:()3*('/34'/((.1,('('*.;.-'(7.1'+-'1'(7.'*'0.(4''+'(7.-'6(.-/-4'/30.*('-*'3)'3)..)'/34'/((.1,('(')-/&'/7/-)'/3)'+/*('63.'2.(&..3'O6/**0/6'/3)'1.)/.;/6'*..1*('2.'-/(7.-'+9(6.'/3)'/-2(-/-4'+'&(7'(7.':-/11/-/3'4'9'O6'*.'(7.63.''+'O6/**0/6'&-(.-*'&(7'9.('39*'(7.'2-66/3('6/9)/3'&7''*'+/-'/*'*(46.':'.*'1:7('7/;.'2..3'/'0'3(.1,'-/-4''+'(/(9*'*'*'6/(.)'+-'1'7*',..-*'+'3'(7.''(7.-'7/3)'4'9'+5'(7.'61('/('VAX$'(7.')/(.''+6/9)/3<*'6/*(',.1'4'9'/)1('&(73'(7.'O6/**0/6',/6.'(7.'2/6)'/3)'*0-/,,4':'**,''+'(7.'9:9*(/3'*('-4'/3)'(7.'.6/2'-/(.'3/3(.*''+'41'1/079*F'&76.'0'1,/-/(;.64'0'--.0('/3)'1,'-(/3('&-(.-*'68.'9(9*'/1/(/39*'-'*9*'/3)'-'*,.-'/-.'*79('9(''+5'(7.'61('/('V@'&'96)'2.'('1/8.'(7.')*/,,./->/30.''+'/'*7/)'&4'.1,.-'-'(7.'*9)).3'(.-1''+'/':-./('3/('3/6'6(.-/(9-.'&707')'3'(*,.3)'(*''+'-0.''+'-'1/34'0.3(9-.*/+(.-'(7.'/:.''+'3*,-/('3'('*'/'1'-.',-'+(>/26.'(/*8'('(-4'('-./6*.'3'/3'/:.''+').0/).30.'(7.',&.-+96'/3)'9307/3:3:'07/-/0(.-''+'=-/.0''1/3'096(9-.'&707'/1)'/66'+/69-.''+''-:3/6(4'/3)'/66'0'3(.3)3:'09->-.3(*''+',-';30/6(.1,.-/1.3('/3)'3;/)3:'2/-2/-*1'3.;.-'-.6/5.)'(*'7'6)''3'(7.'.)90/(.)'O6/**

('1/4'2./)1((.)'(7/('(7.'096(9-.''+'(7.'++(7'0.3(9-4'*'3'(''/'+/*03/(3:'*(9)4'7.')'6/(-4''+'1.-.'6(.-/-4'+'-1'0'123.)'&(7',';.-(4''+').*'(7..3(79*/*(0'&'-*7,''+':-./('1').6*'&(7'9('/'2-./(7''+'(7.'*,-('&707':/;.'(7.1'(7.-'.3)9-3:'07/-1'1 7.3*.'6(.-/-4'/12('3'&(7'9('(7.

, ' & . -' ('' 0- . / (. ' /' * 3 : 6 . ' & ' - 8' ' +' - . /6' /- (*(0' . 50 . 66 . 30 . G (7 *' *' 3 ' (' /' *92%. 0(' & 7 07' , - ' 1 *. *' 1 907' 3 (. - . *(F' /3)' (7 . ' 6 (. - / -4' - . 1 / 3 *' ' +' (7 . ' + +(7' 0 . 3 (9 - 4' / - . ' : . 3 . - / 664') * 1 ** .)' (' ' ' 26 ; ' 3' 3' /' + . & ' 0 ' 3 (. 1 , (9 ' 9 '' , 7 - / *. *' . (' (7 . ' , : ' 3 ') . *. - ; . ' /' 6 ((6 . ' 3 ' (0 . ' + ' - ' (7 . ' * / 8 . ' ' +' (7 . ' / 30 . *(- 4' ' +' & 7 07' (7 . 4' & . - . ' * '' , - ' 9)' / 3)' (7 . ' 096(9 - . ' & 7 07' (7 . 4' (- .)' (' ' */ ; . ' 7 . 4' 1 / 4' . ; . 3' 06/ 1' *' 1 . ' / ((. 3 (' 3' + ' - ' (7 . - ' ' & 3' * / 8 . ' *(' - 4' * 7 ' & *' + . & ' . 5 / 1 , 6 . *' ' +' / 3' / - *(' 0 - / 04' 1 ' - . ') . ; ' (.)' (' ' 6 . ((. - *' (7 / 3' (' ' & / - ' - ' *, ' - (' ' - ' , ' 6 (0 * ' 3)' & (7' / ' (7 . - ' ; / 3 (4' / 3)' 6 (. - / -4' /++ . 0 (/ (' 3 *' (7 . ' : - . / (' 3 ' 26 . *' ' +' (7 . ' + +(7' 0 . 3 (9 - 4' , - . > *. - ; . ' / ' 0 . - (/ 3') *(30(' 3' 3' (7 . - ' 6 ' 4 / 6 (4' (' ' (7 3 : *' ' +' (7 . ' 1 3)

(' & ' 96)' 7 . ') ++ 096(' (' ' . 5 / : : . - / (. ' (7 . ' + ' - 0 . ' / 3)' , . - 1 / 3 . 30 . ' ' +' (7 . ' 6 (. - / -4' 3+69 . 30 . ' . 5 . - 0 *.)' 24' (7 . ' ' 1 / 3' *07 ' ' 6*' ' +' (7 . ' . *(' (46 . ' 1 : 7(') . : . 3 . - / (. ' +- ' 1' (7 . ' : - . / (' *(/ 3) / -)*' 29(' (7 . ' *(/ 3) / -)*' & . - . ' 3 . ; . -' + ' - : ' ((. 3F' /3)' (7 . ' , /** ' 3' + ' - ' *(46 . ' ' +' *' 1 . ' *' - (' & / *' /*' *(- ' 3 :' 93) . -' 7 . ') ' - 0' /*' (' & / *' 3' (7 . ' - . : 3' ' +' - /%/ 3 ' / : 39 *' . 6 5' 33 ') 9*' & / *' 2 ' 1 ' %9 *(' (7 - . ' 4 . / -*' 2 . + ' - . ' (7 . ') . (7 - ' 3 . 1 . 3 (' ' +' (7 . ' 6 / *(' 1 , . - ' - ' ' +' (7 . ' * ' / 3)' / +(. -' / ' 07 . C9 . - .)' 0 / - . . - ' 2 . 0 / 1 . ' 2 *7 ' , ' ' +' / ; / ' *' 2 ' 47 ' ')' & / *' *, . 3 (' 3' = / 96 ' 3' (7 . ' 4 . / -*' & 7 . 3' (7 . ' 6 / *(' (- / 0 . *' ' +' ' 1 / 3' /) 1 3 *(- / (' 3' 3' (7 / (' , - ' ; 30 . ' & . - . ') */ , , . / -> 3 : N' *' *(9) . 3 (' 6 + . ' / (' 6 / 3' 0 ' 30) .)' & (7' (7 . ' : - . / (' *(- 9 : : 6 . ' 2 . (& . . 3') ' / 0 . -' / 3)' 7 . ') ' - 0' 3' & 7 07' (/ 64' & / *' +6 ' ') .)' 24' / ' +- . *7' 7 ' *(' ' +' 3 ; /) . - *' . (' 2 ' - 3' / 3)' - . / - .)' / *' 7 . ' & / *' / 1)' *907' , ' 6 (0 / 6' 0 ' 3 + 9 * ' 3 N' 33 ') 9*' *' / *' 0 ' 1 , 6 . (. ' / 3)' / - (+ 0 / 6' / ' , - ') 90(' ' +' (7 . ' - 7 . (' - 0 / 6') *0 , 6 3 . ' / *' 9*' 3 9*' ' - ' 4 1 1 / 079*' *' *(46 . ' 3) . .)' *' / *' / & 8 & / -)' / 3)' ' 2*09 - . ' / *' (' *' 0 ' 3 ; . 3 (' 3 / 6' / 3)' . 6 / 2 ' - / (. ' E9(' (7 . ' 1 / 3' *' , . 3 . (- / (.)' & (7' (7 . ' ' 6)' *07 ' ' 6' (- /) (' 3*' ; . 3' 3' /)) - . ** . *' ' 3' */0 - .)' *92%. 0(*' 7 . ' *' 30 / , / 26 . ' ' +' *, . / 8 3 :' 3' / ' * 1 , 6 . ' *(- / : 7(+' - & / -)' *(46 . F' $ / 3)' 7 *' 6 . ((. - *' (. . 1' & (7' (7 . ' 1 ' *(' 30 ' 3 : - / ' 9*' , / : / 3' / 669* ' 3* N' . ' 7 / *' (7 ' 9 : 7(' (' & ' - (7' & 7 6 . ' (' ' , - . *. - ; . ' + ' - ' (7 . ' . 4 . *' ' +' , ' *(. - (4' /' 6 ' 3 :' *. - . *' ' +') . 06 / 1 / (' 3*' ' 3' 0 ' 3 ; . 3 (' 3 / 6' / 3)' 93 - . / 6' (7 . 1 . *' *907' / *' (7 . ' , - ' + . ** ' - ' ' +' - 7 . (' - 0' + ' - ' 1 / 34

' . @@?E ') -. , ' O ' WII ' bDE ' &D DF ' @E?K " ' DNO? D' RQ?') F) N' ?O) CC NQC' %MD?ED L ' DP C' DCQCL ') ' @P DCCQC' ' ' ' DP?') @@? QN' D ND' CD) DL N ' D L

' . KD ' ' WW

' DD' MD' EDCL O ?@' @' . Q@?E ') -. , ' OO ' WIH ' WII

' . @@?E ') . 0' B ' \ ' @L O D@ C' . O CD?O ^

' ? ') ' K D ') LL?Q@ ' ? ' MDCD' N?C ' Q@ D) E) KFD') 5 ' ' , N E D' 6 ' 8 ' ' AG

/:.*' 7/)' 2..3' /009*('1.)' ('*.(' 7 *' ,9, 6*' 7.4' /-.' '+',-.>
0*.64' (7.'*/1.'83)' /*' (7/(' &7 07' '009, .)' (7.' '1/3' 4'9(7'
3'(7.')/4*' '+'B9;.3/6'/3)' 6 34' (7.'&'-)*' '+')''&7.3'*7.'
/&' .3./')., /-(3:' '-' '+' .3.6/9*'/(' (7.'* :7(' '+' 29-3 3:'
-'4F' /3' 3;.0(;.'/:/3*('3.'&7'').1/3).)' (7.' 7/3)' '+' /'
;.*(/6' /*' /' -.&/-)' +'-' 7 *' /07 .;.1.3(*' '-' /:/3*(' /' +/(7.-'
&7''06/ 1.)' ('2.'*9,,'-(.)' 24'7 *' *'3'&7'1'7.'7/)'-.+9*.)'
('' -.)..1' +-'1' 0/,(;(4' 411/079*' /3)' 33') 9*' /-.'
.,/-/(.)' 24' 1'-.' (7/3' (7-..' :.3.-/('3' 3' (7'*.' 793)-.)'
4./-*'*'' +966' '+':-./(' *'0/6' 07/3:.*' /3)') */*(.-*' (7.'&7'6.'
+-/1.&'-8' '+' (7.' 1, -.' /3)' '+' *'0.(4' 3' (7.' .*(' 7/)' 2..3'
)*6'0/(.)' 7.' 79-07' /3)' (7.' 2/-2/- /3*' 7/)' (-91,7.)'
3)' 4.(' (7.' 7-*(/3' 2*7',' '+' XAA' *' /*' 1907' &.)).)'
('' (7.' 6(.-/-4' (-/)('3' '+' (7.' ,/*(' /*' (7.' ,/:/3' 3'26.' '+'
VAA

7 *',.-* *(.30.' '+'/0/).1 0'(-/)('3'&/*''*'1.'.5(.3(')9.'
('' (7.'*(.-6(4'/3)'+/ 69-.' '+''-:3/6',' &.-'&7 07'07/-/0(.-*.*'
E'1/3'6(.-/(9-.' /+(.-'(7.'+-*(' 0.3(9-4' '+' (7.' 1, -.' 7.'
,.-')' '+'(7.' ;.-' :.'&/*')*(3:9*7.)'24'/'2-66/3(' .++'-('
('' .*(/26*7' /',9-.64' '1/3'096(9-.' E9(' (' &/*' /+(.-'/66' /'
*7'-(6;.)' .++'-(' /3)' (7.'2/--.33.**' '+' (7.'(7-..' +'66'& 3:'
0.3(9-.*' *''3.'' '+' (7.'1'*(' *(-83:' +/0(*' 3' (7.'7*('-4' '+'
6(.-/(9-.' 3' *, (.' '+'6'3:' ,.-')*' '+' ,-'*,.-(4'/3)' :'')'
:';.-31.3(' (7.'7:7.-' 3(.66.0(' '+' '1.'*..1*('' 7/;.'2..3'
';.-(/8.3' 24'/',/-/64* *'/3)' 30/,/26.'' '+'1/8 3:'/34'+9-(7.-'
/);/30.$' 9-3:'/66'(7/(' (1.'3''*0.3(+0')*0';.-4'3''+-.*7'
3/(;.'1';.1.3(' 3' '1/3'6(.-/(9-.'&/*' 1/).' 7.'+'-0.'
..1(''7/;.'2..3'&/3(3:'('' 0'30.;.'/3)' 0/--4' ('' 0'1>
,6.('3'/34'0'3*').-/26.'/3)' .3)9-3:'&'-8' /0(9*' 7/)' 3''
'-(74'*900.**'-' 3'7*('-4' (/(9*'7/*'3''-;/6' 3',.(0'/-('
(66'(7.'1.(.'-28.'/,,./-/30.'+' 6/9)/3' 7.' 3+69.30.'+'
(7.':-./(' =-..8' 1/*(.-, .0.*('' 3*, -.'+-.*7'.++'-(' 3' '1/3'
6(.-/(9-.'*..1*('' 7/;.'2..3'*,.3(' &(7'(7.' 9:9*(/3'/:.'
E9(' .66.3*1' 3'/3'(7.-'+'-1'-./**.-(.)'(*.6+' 3'(7.'-.:3''+'
/)-/3'/3)',.-7/,*'3'(' 6.**;:'-'9*64' 3'(7.'-.:3''+'B96/3'
3' 2'(7'(7.*' 1';.1.3(*' 7'&.;.-'(7.')'1 3/3(' 3+69.30.'
&/*'(7.'3.&'*',7*('(7.'(3.-/3(' 6.0(9-.-' -9)('3'&(7'9('
0-(0/6'%9):1.3(''+3.**.''+'*(46.'&(7'9(',9-(4''+'(/*(.'('' 8

(7.' ,6/0.' '+' '- : 3/6 (4' /3)' .3(79* /*1'+'-') ./*' '-.';.-'(7.' :-'& 3:'0.3(-/6 */('3' /3)'29-./90-/(0'07/-/0(.-' '+'(7.' 1,.- /6' :';.-31.3(' .5(3:9 *7.)' (7.' 6/*(' +6 08.- 3:*' '+' 3(.-.*(' 3' ,'6 (0/6' 6 +.' &7 07' 7/)'2..3' +/ 6 3:' .;.3' 2.+'-.'(7.' /);.3(' '+' (7.' 1, -.' ; 6 */('3' 2.0/1.' . .4')/4' 1'-.' *(.-.'(4,.)' /3)' 1/(.- /6 *.)' 7.' 7/-) .*(' *, -(*' .;.3' ('(7.' ;.-4' .3)' '+'(7.' .*(.-3' 1, -.'0'96)'2/-.64'0'30. ;.'/34'07/3:.' 3'(7.' .*(/26 *7.)' '-).-' 3)'(7.' /0/).1 0' *4*(.1' ,/-(''8' '+' (7.' 93 ;.-*/6'*(/:3/('3' 3)..)'(7.-.' /-.' 1/34'-./*'3*' ;J74' 3' .;.-4' /:.'(7.' /0/).1 0' *4*(.1' *7'96)'2.' '+' /66' ,/-(*' '+' (7.' *'0 /6' '-:/3 *1' (7.' 1'*(' 9307/3: 3:' '(7 3:' *' 7/-).-'(''-.+'-1' '-'('' 3*, -.' & (7'+-.*7'/ 1*' (7/3' /3' /30 .3(' *07.1.' '+' .)90/('3' 7.'(./07.-*' /-.' 0'3*.-;/(;.' +-'1' 7/2 (' /3)' *.3(1.3(' 7.4'83'&' 3'' '(7.-' *4*(.1' (7/3' (7/(' 3' &7 07' (7.4' 7/;.' 2..3' (-/ 3.)' /3)' +-'1' '3.' :.3.-/('3' ('' /3'(7.-' (7.4' 0'3(39.' ('' (-/3*1 (' (7.' (-/) ('3' &7 07' (7.4' 7/;.' 37.- (.)' 7.'2- 66 /3(' /3)'*900.**+96' ,9, 6' *' /,(' (''). /6 *.' (7.' *(9) .*' '+' 7 *' 4'9(7' /3)' ('' -.+.-' ('' (7. -' 3+69.30.' (7.' 1.3(/6' 8..33.**' /3)', '6 *7' &7 07' 1/4' 7/;.' 0'1.' (''7 1' +-'1' *'0 .(4' /3)'0'3(/0(' & (7'(7.' &'-6)' 9*'3 9*' 3' 7 *' 6/(.-'6 +.' */&' 1907' '+' 0'9-(*' /3)' 0/1,*' .' &/*' '3.' '+' (7.' 33.-' 0 -06.' &7'' *9--'93).)'(7.' (7-'3.' '+' =-/(/3F 7.' &/ -/ *.)'('' (7.' ,-.+.0(9-.' /3)' (7.' 0'3*96*7 ,' 6(7'9:7' 7.' 7/)' 2..3' +'-' (7 -(4' 4./-*' /',-'+.**'-' 7.' &/*'+'-' /66' (7/(' /';.-*/(6.' /3)' /12 ('9*' 1/3' '+'(7.' &'-6)' .(' 3' 7 *' '6)' /:.' 7 *' (7'9:7(*' (9-3.)'2/08*('' 7 *' ./-64' *(9) .*' /3)'0'1,/3 '3*' /3)' 7.' 7/*'6.+(' 9*' (7.' ,'-(-/ (*' '+' 3./-64' (7 -(4' '+' (7.' ,-'+.**'-*' '+' E'-)./95' (-/0.)' & (7' (7.' 09- '9*' 1 39(.3.**' '+' /' & *(+96' /++.0('3' '*(' '+' (7.1' 6 ;.)' /3)').)' '2*09-.' /3)' &'96)' 7/;.' 3.;.-' 2..3' 7./-)' '+' 29(' +'-' 7 *' ;.-*.*' .(' 7.' *..*' (7.1' /66' .;.3')'&3' ('' (7.' 5 ' &7'' &/*' ('' +'3)' '+' & 3.' /3)' &7'' &/*' 7/-)64' .C9/6' ('' 7 *' 79126.' (/*8' *9--'93).)' 24' /' 8 3)' '+' -.+6.0(.)' :6'-4 $' 7.')9(4' '+' */; 3:'(7.-' 3/1.*' +-'1' '26 ; '3' *' ('' 9*'3 9*' '3.' '+', .(4' /3)' :-/((9).' ('' (7.' 7/3)*' &7 07' 936'08.)' ('' 7 1' /3)' 7 *' +- .3)*' (7.' (-./*9-. 7'9*.' '+' (7.' ='6).3' :. $

' 03'F- ' UU ' '
LDE 47'?F N' D D' D' @D ?
U' A
D' /' RQDN' L) MDE)N' DND D' :CQ O) CD' F?' RQQ@ Q
@? QD@ :)NN) FLF' @DD' NDU CCD'O))@

' ?NO) D' M C' ?#@')OOD)F')C' M C' ?FE' Q ? ' ?' ' 5)QF@QC' C5' UU ' WW
DP?'COON 4:')F D' D' FD
O)DL?O ?'O O@@D' O N C'F) F ?' M?@?@QOO'T
O 'NQC' @ ,?? EEN' RQ' D L?'FDP)'E?U

('19*('/6*''2.'-.1.12.-.)' 3'*..83:' (''' /00'93(' +'-' (7.'
,.-* *(.30.' '+' (7.' =-/.0' '1/3' (-/ 3 3:'(7/(' (7/(' *4*(.1'7/)'
(7.',/** '3/(.'*9,,'-(''+'(7.',/:/3'*.3(1.3('&7 07'26/O.)'+'-(7'
3'(7.'+'9-(7'0.3(9-4'/3)'&7 07'93).-' 7-*(/3'+'-1*'6 3:.-.)'
'3' /1'3:' /'6/-:.'O6/**'+/-' 3(''' (7.'+(7' 2/3 9*' (7.'6/*('
:-./(' *',7*(' 9*.)' (''*/4' (7/(' -.6:'3' .',/:/3*1T' /3)'
0 6(9-.'&.-.'O6'*.'+-.3)*$' 3)'7.'O6 1.)'(7/(' -7.('-0'7/)'
-.*('-.)'B96/3'('' (7.'&'-*7,''+'(7.':')*' '-'0/3' (7.-.'2.'
/34')'92(' (7/(' (7/(' 1,.-'<*' /((.1,(.)' -.;;/6''+' (7.''6)'
-.6:'3'&/*' 3*,-.)' 24' (7.'*07''6*' '' B96/3' .66.3*1'
1./3(' 3'(''364' (7.'6(.-/-4'(-/)('3''+'=-..0.' 29(' (7.''6)'
14(7'6':4' 3(.-,-.(.)' '-'-./3 1/(.)' 24' (7.',7 6'*',74''+'
6.5/3)-/' .66.3*1' &/*' 3.0.**/-64' 3' (*' '-:3' /3)'
.**.3(/6' C9/6(.*' (7.'+'.''+' 7-*(/3(4'/3)'7.30.' B96/3'
(-./(.)' (7.' 3(.-,-.(/('3''+' '1.-''-' 6/(''24'/' 7-*(/3'
(./07.-'/*'/'8 3)''+'0'3(/1 3/('3''-',-'+/3(4M';.-4'1907'/*'
/':''')' /(7'6O' 1 :7(' (7 38''+' (7.'0.6.2-/('3''+' (7.' '64'
4*(.-.*' 24'/' -'(.*(/3(' 1 3*(.-' (' 1/4'2.')'92(.)'
&7.(7.-' (7.' 7-*(/3'(./07.-*'&7''-.(9-3.)'('' (7.-'O6/**>
-''1*'/+(.-' (7.'+/69-.''+'B9 /3<*'-./0('3'&.-.'6.**'.3(79*>
/*(O'/)1-.-*'/3)' 3(.-,-.(.-*''+' (7.'O6/**0*'(7/3'(7.'/;'&.)'
,/:/3*N' /34''+'(7.1'&.-.' 7-*(/3*''364'3'3/1.'7';.-3:'
3'(7.'930.-(/3'(&6:7('&7 07'/3'./*4:'3:'1'3'(7.*1''-'
,/3(7.*1'0/*(';.-'(7.+-'3(.-*''+'(7.'',,'*3:'0-..)*' ''
*907'1.3'(7.',9-*9('+'6(.-/(9-.'&/*'(7.7:7.*(.3)'/3)'/*'
*907' 30'1,/(26.' &('(7.'0'3*91 3:',/**'3'+'-'/'3.&'
,-(9/6'6+.' 7.4')')'3'('3)..)'2.6.;.'3'(7.''6)')';3(.'
29(' 14(7 0/6' 3/1.*' /3)' 0'30.,('3*'&.-.'*'')..,64'&'-8.)'
3(''(7.'(.5(9-.''+'(7.':-./('1/*(.-,.0.*'&7 07'(7.4'.5,'93).)'
(7/(' *(46.''-'6(.-/-4'+3*7'*..1.)' 30'30.;/26.'&('9('/
,/:/3'0'6'9-3:' 3)'(7.'6';.''+'6.((.-*'3'(7.''6)+/*7'3.)'
/4'&/*('' (7.1'(7.'+3.*(+6'&.-''+' '1/3'0;6*/('3'/3)'
'+'(7/(' *'0/6''-).-'&7 07'*..1.)' (''(7.',-;6.:.)'O6/**'*''
30/,/26.''+'/34'/1.3)1.3('-'/);/30.' 7/('/3)'3'(' /34'
)./6''+'-.3930/('3'&/*'(7.'(-9.'/3)'7:7.*(' /1'''+'(7.'
7.-*''+'=-/.0' '1/3'096(9-.' '' 2.'+/6*.'('' (7.' 9*.*

' 3K)@' ' W' RQ? DE' KT')ODC' ' (' * ' U ' H' B' %M C' F)#' ? '
7 !'83' ' . ,'O'GAG)FD@ @)@' WB ' O)L L)FFT' DOD)FDE'
' VQF')5' A' '*"7"7 5 ' 05,.' VQF)@C'KT'N)S @P'\ )'D')LQ@E)^'
%?Y 320!5 !0!' ' 0 ,!' *5 -9' MD'?@FT'RQ)F L) ?@C'?' D)LM @P
%?"' !', *<!' *5:" *,' ' 0

/+(.-' 7/; 3:' 2..3' 3 (/(.)' 3('' (7. -' 14*(.- .*' &/*' /' *,.0 .*' '+' (-./07.-4' /3)' 93+ 6 /6' 3:-/((9).' .;.3' &7.3' (7.' -.3930 /> ('3' &/*' */30(+.)' 24' (7.' 3/1.' '+' 7-*(M' (' &/*' 1/8 3:' 07' 0.' '+' 2/-2/-*1' 3' ,6/0.' '+' '1/3 /F' (' &/*') *'&3 3:' '3.<*' *, -(9/6' /30.*('-*' /3)' *.,/-/(3:' '3.*.6+' ('' 1 (/(.' (7.' &'-)*' '+' (7.' 791/3 *(' '+' /'6/(.-')/4'+-'1' (7.' :-./('0'1,/34' '+' Q'2-.(7-.3' 2.6';.)' 3' '1.-' -:6' /3)' 6/('R' 3.' *907').*.-('3' 7/*' /' ,.096/-' 3(.-.*(' /3)' .;.3' /' 0.-(/3' ,/(7'*

7.'0'3;.-*'3''+' /9739*'(7.' :-./(.*(' C9 (/3 /3' 3'26.' '+' 7*' (1.' 0-./(.)' /3' 11.3*.' *.3*/('3' 2'(7' /1'3:' (7.' &'-6)64' 06/**' /3)' 3' (7.' -/38*' '+' *.-'9*' 7-*(/3*$' *' ,'*('3' 1/).'7 1' /'0'3*, 09'9*' +:9-.' /3)' 7*').*.-('3' '+' (7.')./6*' '+' 7*' 0/*(.' &/*' +.6(' (''2.' /3' .;.3(' '+' :-/;.' 1,'-(' .' /-.' +'-(93/(.' 3' 7/; 3:' ,-.*.-;.)' (''9*' *'1.' 6.((.-*' &7 07' ,/**.)' 2.(&..3' /96 15*' /3)' 7*' '6)' ,-'+.**'-' 9*'3 9*' /3)' -.0'-)' & (7' /' * 3:96/-').6 0/04' '+' +..6 3:' (7.' -9,(9-.' '+' /3' '6)' +-.3)*7 ,' /3)' (7.' &).3 3:' '+' (7.' 07/*1' 2.(&..3',/:/3' 096(9-.' /3)' 7-*(/3').6*

/96 39*' 2.6'3:.)' (''3.' '+' (7.' -07.*(' /3)' 3'26.*(' +/1 6.*' 3' (7.' '1/3' &'-6) N' .' 7/)' 2-'/)' .*(/(.*' 3' C9 (/3.' /3)' 7*' 1/--/:.' & (7' 7.-/*/' 2-'9:7(' 7 1' /3' /00.** '3' '+' &./6(7' -/3.)' 24' 9*'3 9*' /(' (7.' *07''6' '+' E'-)./95'7.'7/)' /3' 11.3*.'-.,9(/('3'+'-'(7.'8 3)''+'6 (.-/-4' /2 6 (4' &7 07' &/*' ,-0.)' 24' (7/(' /:.M' E.+'-.' 7*' (7 -(.(7' 4./-' 7.' 7/)' 7.6)' (7.' 0'3*96*7 ,' /3)' (7.' :';.-3'-*7 ,' '+' /' ,-'; 30. N' 3' /66' -.*,.0(*' 7.' &/*' /' (4, 0/6' '1/3' 3'26.' '+' (7.' (1.' /3)' *..1.)' 2'93)' (''7*' '-).-' 24' (.*' &7 07

' ,QC?@')5' UU ' GGH' UU ' B[
' ,NK ?C')5' W[' 9?' MD' ?KF?RQT' @LQ DE' KT' ' 5)QF @QC' CDD' M C')5' 0' ' 5' ' ! ' G' e' A' C' @?C' @ D ' EQN' O ?)@)' DF' C QF)' RQ? Q@E)N' C)DLQF) QN' D K)' L LQNF) D@ ' L ' QFO' D ' ! ' ' ' %, ' ?' A<
' &D' N)T' M) D' KDD@' MD' C?@' ? ' MD' 5?@ QC' 5)QF @QC' #M?' ?#@DE' MD' 7Q PQC' LDFDK) DE' KT' E?@ QC' N(, ' AA" ' L ' ,NK ?C')5' W[' COFD@E? D' PD@D C' @' O) KQC' ,RQ)@)D' @QFF' CDLQ@EQN' & C' DC) D' &DK ?N?PQC' C' ND@ ?@DE' KT' ,QC?@')5' UU ')@E' UU ' GAB' J DP' %Q ' ' G0' ?0 3' G[_' DU' @?K F' C OD' ? QC' %))C)N' C N FDN' C K' C? QC' DC

L?@'QPDN' M)MD@C' E)C' NQF)C' ' /)QCLMD@' , 1 ' O' W<A

' ,QC?@')5' U U')@E' UU' ' L ' & D ?@')5' <W' e' W' 5)QF @QC' M?#X D D ' F SD' ' ,QPQC @D' #)C' @?')' P??E' J DDS' CLM?F) ' 5)QF @')5' B' e' A' @)N' RQ?N?E?' O ? DL QN' L)OD D' O? D ?' CD N?Q C' P@?

DD'5 ?F'L'W @'1 P@D CDE' ' ' ,- ' &1 T' ,QC?@')5' UU' W')@E' UU ' W ' 0@' MD' E) D' ? ' M C' L?@CQFCM O' #M LM' E?LC' @?')OOD)' @' MD' 9)C ' L ' /)QCLMD@' , 1 ' ('B ' O' A ' ' ')@' M?' KD' MD' 5)QF @QC' P? D @?' ?' .O QC' @' U' * ' U ' A AAG ' 5 ?F' @' 1 PQ?' ' U ' L' H

3'(7 3:0'96)*.;.-7.0-091*(/30.*'+7*0'3;.*'3/-.-/(7.-'2*09-.E9(7*(.1,.-/1.3(/*L&.66/*(7.3+69.30.*'+7*&+.$*,-'2/2664:/;.7 1'/3./-64*3061/('3('/14*(0/6/3)/*0.(0 7-*(/3(4 7.-.*/6*'/(-/)('3(7/(7.0/1.93).-(7.3+69.30.*'+ /-(3L&7*1 -/096'9*64*09-.)7*.4.*'+0/(/-/0(M 9)).364*7.)*>/,,./-.)+-'1(7.*'0.(4*'+E'-)./95*/3)29-.)7 1*.6+*3*/('&3*'+'-(7 .*(.-3*,/3 7.*3.&*0/1.L&(7*/*7'08*('7*+-.3)*/3).*,.0/664*('7*).//-.*(+-.3)9*'3 9*7.,'.(&7'*.:-./(;-(9.&/*/,.-+.0(+/(7>+963.**('6)(.*7/)/+/(7.-64*(.3).-3.**+'-/96 39*.7/)&/(07.)7*:-'&3:*8 66 3*(7./-(*'+*(46.*/3)7/6.)7*./-64*.++'-(*3*/9(7'-*7,L&(7,.-7/,*.5(-/;/:/3(,-/*.M .&/*'*0/-0.64*/26.*/(+-*('('2.6.;.*(7/('3.*'*'(-/3.)*'*':+(.)*'*'2'93)('1/3*'0.(4*24*-/38*/3)096(9-.*/3)+-.3)*7,*0'96)*.507/3:.*(*07/-1 3:+-.>1/*'3-4*/3)9-2/3(4*+'-*(7.*6'3.6 3.**/3)7/-)/9*(.-(4*'+(7.*1'38 *7*6+.$.&-'(.('/96 39** *'1.*6.((.-* 3*&7 07*7.*9*.)/66*7*/-(('-.0/66*7 1*('(7.**,6.3))*&'-6)*7.*7/)*+'-*/8.3*24*/,,./6** ('/++.0('3*('(7.*6';.*'+*:6'-4*/3)*(/(.64*+'-(93.*/2';.*/66*('(7.*,6./*9-.* '+*6.((.-.)*'0.(4N 7.*,/3.)+..6 3:*'+*).*.-(*3*&/* 3>(.3*+.)*24*/*6.30.*'+(7-.*4./-*')9-3:*&7 07* /96 39**7/)*1/).*7**-.3930/('3*'+*&./6(7*/3)*&'-6)64*.*(/(.*+3/6*/3)*0'1,6.(.* .(*(7.*'6)**.1 ,/:/3*1/3*'+*(7.*&'-6)* *3'(*2.(-/4.)*3('*/34*2((.-3.**/:/3*(*/*+/3/(0*1*&7 07*19*(*7/;.*2..3*('7 1*/*-.,96*;.*/* (*&/* 1 3(.66:26.*3)*'3*(7.*'(7.-*7/3)*(7.*096(;/(.)⇓-.069*.*&7'*&/* /2'9(*('*).;'(.*7**096(9-.*('*(7.*:6'-+0/('3*'+* .65*'+* '6/**+966*'+*(.3).-3.**/3)*:-/((9).*('*7**6)*1/*(.-N E9(*&.*+..6*/3)*(7.4*+.6(*(7/(*(7.4*&.-.*93).-.)*24*/3* 1,/**/26.*:96+* 9*'3 9**,-/4**('*(7.* 9*.**'+E'.'(/*('*:;.*2/08*7**+-.3)*('*(7.*,'.(-4*'+ '1.$ 7.* 9*.**3)..)*('

,QC?@*)5*UU *HG* %)@)R@F Q)*@DCL)*C QE* 0*J DP*%Q *?0*(03*G[_ *QFO*D*!**'*%, *L*GI*L*?*AB*O)DC)@ ?) NQNRQC@?K C +)DCD@ QN* LNO? QN* FFQC C*! *)QF@*DUDNOFQN*@P? DK)

,@C?@)5*UU* 9)@F @C M)*L?NO?CDE*)*O?D L)FDO ?ND?*QD ?X @QC*N*F 1-

% *1*== *BG O) ?)RQD C FL*CDODFFK C M?@? DC% *1*UU *HW* C MD D*)@T M @P* @* MD FD D C ?*,QC?@ QC ?*YQC T MD* DUO DLD ?@ *1 *70 < 3***9)QCLMD?*, 1*5*bPH3 *5)QF@*&0*(, -*=*HC LQ C N MF CDNOD*, -*N)?D*/ *D ?N@ KQC DUL? D D*)FKL Q ?K)D *D F4DF *,QC?@*)5*== *W Y) *) DN* D ?L) D)N?D@ C

9*'3 9*' &.-.' 3'' 1'-.' (7/3' (7.' 0'3*.0-/(.)' 6 (.-/-4' *4 1 2'6' +'-' (7.' 3*, -/('3' '+' (7.' :-./(' /:.*' .(' 7.' 0'96)' 3'(' 0'30. ;.' (7.' +'-0.' '+' (7.' +/ (7' &7 07' 0'96)' 1';.' /' *07'6/-' /3)' /' ,'.(' ('' +'-:.(' 7*' -: 6' /3)' (/(9*' 3' ,-.,/-3:' +'-' (7.' (.--'-*' '+' (7.' %9):1.3(' ('' 0'1.' 7.'6 3.*' 3' &7 07' /96 39*' /+(.-'6'3:' * 6.30.' /33'930.)' (7/(' 7.' &/*')./)' ('' (7.' &'-6)' /3)' (7/(' (7.' --.;'0/26.' 07' 0.' 7/)' 2..3' 1/).' /-.' /' 1'391.3(' '+' (7.' --.* *(26.' +'-0.' '+' (7.' /*0.(0' 1';.1.3(' /3)' 1/8.' '3.' +..6' (7/(' (7.' /)1 -/('3' '+' 9*'3 9*' +'-' 7 *' ,9, 6' '+' '6)')/4*' &/*' 3'(' /66' 93).*.-;.) $' Q 74' 2)' (7.' 9*.*' &7'1' ' 7/;.') *'&3.)' -.(9-3' ('' O6/ 1' 14').;'('3'HM ./-(*';'&.)' ('' 7-*(' 7/;.' 3'' &.6O'1.' +'-' (7.' :'))**.*' '+' *'3:' (7.4' /-.' 2/--.)' ('' ,'66' ' 1.' &/*' &7.3' 3'(' & (7' .C9/6' +'-0.' 29(' & (7' .C9/6' /-)'9-' ' 0'96)' %' 3' & (7' (7..' 3' *9 1 1'3 3:' (7.')./+' 7'.29*' +-'1' 7 *' 0/;.' /(' .6,7 ' ' ' ' '&' /3'(7.-' +'-0.' /' 1 :7(.-' =')' *92)9.*' 14' *'96N' .' +'-2)*' 1.' : ;.' 9,' 14' (1.' ('' (7.' ;/3 (.*' '+' 6.*9-.' '-' 29* 3.**' /3)' (7.' 6 (.-/(9-.' '+'+/26.' (7/(' ' 1/4' '2.4' 7 *' 6/&*' /3)' *..' 7 *' 6 :7(' &7 07' *')/-8.3.)' 24' (7.' 0933 3:' *8 66' '+' (7.' *',7 *(' /3)' (7.' + :1.3(*' '+' (7.' ,'.(' &7'' +66*' (7.' *'96' & (7' ;/3 (4' /3)' +/6*.7'')' /3)' '364' (-/ 3*' (7.' ('3:9.' ' ' ' :/ 3*(' *' 0'1 3:' 14' 7./-(' C9/8.*' /3)' (-.126.*' ('' (*' 31'*(' +2-.*$' 14' *'96' 7/*' (.-- 26.' +'-.2') 3:' '+' (7.' +9(9-.' 6.*(' 2'93)' +/*(' 24' &./8' +6.*764' 0/-.*' /3)' 6'/).)' & (7' (7.' &. :7('+' &'-6)64' (7 3:*' &7.3' (7-'9:7' (7.' ',.3.)' 7./;.3' (7.' /&+96' (-91,.(' *'93)*' ' 1/4' 3'(' 2.' /26.' ('' 6 +(' 14*.6+' '3' 6 :7(' ,3 '3*' ('' 1..(' (7.' 0'1 3:' '+' (7.' '-)' ' ' ' ' 7 *' *' 14' +./-' 14' ('-1.3(' (7/(' (7.' 6/*(')/4' 1/4' ';.-(/8.' 1.' *6912.-3:' 3' (7 08')/-83.**' /3)' &/*(3:' 14' 1'1.3(*' '3' .1,(4' 0/-.*' 7/(' *7/66' ')'' +' &7 6.' 14' 6/3:9)' .4.*' /-.' *6'&' ('' ',.3' (7.' 7-*(' *7'96)' -.;./6' 7 1*.6+' 3' +6/*7> 3:' *,6.3)'9-' +-'1' *',/6/0.' 3' (7.' *8 .*F' /3)' +')/OO6.)' 24' (7.' *9)).3' -/) /30.' '+' (7.' '-)' 0'1 3:' 3' (7.' ',.3.)' 7./;.3*' /*' (7.' :6'-4' 29-*(*' 9,'3' 1.' ' 7/;.' ('' *..8' /' 1'9-3+96' -.+9:.' 3' (7.')/-83.**' '+' 3 :7('HR' 7.' *'6.13' +/-.&.66' &7 07' (7.' 1'38' '+' '6/' 2/).' ('' (7.' *(9) .*' '+' 7 *' 4'9(7' /3)' (7.' :-./(' &'-6)' -.;./6*' /6 8.' (7.' +'-0.' '+' (7.

' 5)QF @' (, ' U' W[HA
' _B' =' AA'
@DP)Q') @?D@ C' @DL'O) D@' ,O?4 @'
E L))' M C ?' ODL ?)

(' _B' ' H[
' _B' =' W[

3.&' /*0.(0' 1';.13(' /3)'(7.' .3(7-/66 3:' 3+69.30.' '+' (7.' ,/:/3' 096(9-.

7.' 1'*(' ,'&.-+96' 3+69.30.' 3' ,.-,.(9/(3:' (7.' 6(.-/-4' (-/) ('3' &/*' (7.' *4*(.1' '+' (7.' '1/3' *07''6*' *9,,'-(.)' 24' 1,.- /-'/9(7'-(4' '1/3'.)90/('3'93).-' (7.' .,926 0' &/*' +-..' /3)' 93-.:96/(.)' 24' (7.' (/(.' 3' (7.' +6'9-*7 3:' ,.-')' '+' (7.' 1,-.' (7.' (/(.' 93).-('' 8' (7.' 0'3(-'6' /3)' (7.' *9,,'-(' '+' (7.' 7:7.-' .)90/('3' &(7'9(' 09-(/6 3:' (7.' 6 2.-(4' '+' ,-;/(.'(./07.-*' 3).-' (7.' 6/(.-' 1,-.' (' .5> (.3).)' (*' 3(.-+.-.30.' &(7'(7.') *0-.('3' '+' 6'0/6' /9(7'-(.*' 3' (7.' /,,' 3(1.3(' /3)' -.193.-/('3' '+' ,-'+.**'-*' 93(' 3' (7.' 4./-' V[X $' /3' .)0(' '+' 7.')'*9*' /3)' /6.3(3/3' /**.-(.)' (7.' *'6.' /9(7'-(4' '+' (7.' :';.-31.3(' 3' .)90/('3' /3)' 1/).' ,.3/6' (7.' ',.33:' '+' *07''6*' 24' 93/9(7'-*.)' ,.-*'3*' 6-./)4' 3' (7.' (1.' '+' (7.' +-*(' /.*/-' (7.' '6)' '1/3'*4*(.1' '+',-;/(.')'1.*(0' .)90/('3'&/*' :'3:' '9(' '+' +/*7 '3' /3)' '1.',**.**.)' (&.3(4' *07''6*' '+' /' ,926 0' 07/-> /0(.-' 7.' ,-'+.**'-*' '+' (7.' 6 2.-/6' /-(*M' &7'' &.-.' (7.3' +'-' (7.' 1'*(' ,/-(' =-..8*' -.0.;.)' +9 ' 0;0' -:7(*' .*,/* /3' ,/)' /3' /339/6' *(,.3)' '+' !AA AAA' *.*(.-0.*' ('' (7.' (./07.-*' '+' -7.('-0N' 29(' (7*' 6 2.-/6' ,-';*'3' &/*' /61'*(' 0.-(/ 364' 0'3+ 3.)' ('' (7.' (./07.-*' '+' (7.' 0/, (/6' 900..) 3:' .1,.-'-*' /)-/3$' (7.' 3('3 3.*N' /3)' 6.5/3).-' .;.-9*N' 0'3(39.)' (7.' */1.',' 6 04' 3' (7.',-';30.*' 3'*'1.' 3*(/30.*' .3)'& 3:' (7.',-'+.**'-*7 ,*'&7 07' (7.4'0-./(.)'9(''+' (7.' 1,.-/6'+93)*' 29(' 3' (7.' 1/%'-(4' '+' 0/*.*' 1/8 3:' (7.1' /' 07/-:.' '3' (7.' 193 0 ,/6(4' 6.5/3).-' .;.-9*' /',-30.' &7'' 7/)' /' *(-'3:' (/*(.' +'-' *07''6' -7.('-0' /3)' ,'.(-4$' +'93).)' 29-*/-.*' +'-' ,''-' *07'6/-*' /3)' .-.0(.)' 06/**-'' 1*N' 7.' 1,.-'-' '3> *(/3(3.' &/*' 3'(' 6.**' ./-3.*(' 3' 7*' 0/-.' +'-' (7.' /0/).10

'"' * 'U 'I'W

'Q?'?@' -'(0 '?' A'F KD)F QN') QN' E?L ? D)' RQ?' F KD@ QC' D' OC' 4 KDN' @L?FD D@' D' LD D ')OOD D D@' L)D' E?@)

'QD ?@' 7 'GH' O NQC' D' FCL? 3) @C' J)DL CRQD' MD ? KQ)')@@Q)' LD@ D@)' L?@C Q '?' 7? CC D '8,' / -',' ' GI ' 'C' M PMF' NO ?K)KFD' HW' 1' 7? CC D' O? @C' ?Q ' M)')' C)F) T' ?' mH[[' #?QFE' KD' P D@' ?')@T' KQ')' ND ?O?F)@' O ?X DCC?'

',DF' O) ' 6, ' GB' ?N@DC O ? DCC? DC' D' M?@?) ' D' E DC' D? '?')' G

$VQF')O ?F' -'?'GG' MD ? 'KQC' D'OM F?C?OM C'OD '?N@DC' O ? @L)C' D'M?@? DC' D'C)F))'ED QF '

'3)NO E' =' ' '

' '?'W<')Q'?) ?@DC' DL)@ DC')Q')L)' D D QN' L)@D@ ?C' F K?@ D')QE '?'L' W[' FDL ?@' J)DL)D' ?OD)N' N)Y? DN' E)K)

$1' ' ' MD ? KQC' ' ' C)F))' @C Q ' D')QE ?)' EDL D ' D' E CL OQF?C' LQN')@Q?@ C' O)QOD QN' F?C' N?E?' @PD@Q?C' E) 'YQCC

4(.1 ‹ 7.' .) 0(*' '+' ?[!' ?[@' /3)' ???$' -./++ -1' /66'
+'-1.-' .3/0(1.3(*' /*' ('' (7.' ,'*('3' '+' ,9260' (./07.-*F
(7.4' /6*'' 0'3+.-' '3' (7.1' .3(-.' .5.1,('3' +-'1' /' 6/-:.'
3912.-' '+' '3.-'9*' +930('3*' /3)' 6/26(.*' 2'(7' 1,.-/6'
/3)' 1930,/6' 7.4'-.6.;.',-'+.**'-*' +-'1'1 6(/-4'*.-;0.'
+-'1' (7.' 0'1,96*'-4' -.0.,('3' '+' ,9260' :9.*(*' &7.(7.-'
'6) .-' '-' 0 ; 6/3*' +-'1' (7.' 7./;4' -.*,'3*26(.*' '+' (7.'
09-/F &76.' (./07.-*' /-.' 3'(& (7*(/3) 3:' 6.+(' +-..' ('
/00.,(' 09-/6' 1/:*(-/0.*' /3)' 7'3'9-*' 7.-' ,.-*'3*' /-.'
1/).' 3' /' +/*7'3' */0-'*/30(' /3)' /34' 3*96(' '-' '9(-/:.'
'++.-.)' (''(7.1' *' 7./;64',93*7.)' (' (7.' */1.' (1.'
(7.*.' ,-;6.:.*' /3)' .5.1,('3*' /-.' .5(.3).)' (''(7.-' &;.*'
/3)' 076)-.3' 3)' (7.' 1,.-'-<*' 1'(;.' +'-')./63:' *''
62.-/664' &(7' (7.' (./07 3:' ,-'+.** '3' *' .5,60 0(64'*(/(.)' 3'
(7.' &'-)*' Q' C9''' +/0 6 9*' 6 2.-/6 29*' *(9) *' 196('*' 3*((9/3(R'
7.*.' ,-'; * '3*' /-.' &'-(74' '+' (7.' *'3' '+' '3*(/3(9*'
76'-9*' &7'' 3' (7.' 6/*(' 4./-*' '+' (7.' (7-)' 0.3(9-4' ,6/0.)'
(7.' -7.('-0/3' 91.39*' /(' (7.' 7./)' '+' (7.' -.; ;.)' *07''6'
'+' 9(93' &(7' /' */6/-4' '+' @AA AAA' *.*(.-0.*$' 7.' 6/&' '+'
B96/3' **9.)' 3' ?@[N' +'-' (7.' +-*(' (1.' /**.-(*' (7.' -:7('
'+' (7.' 1,.-'-' (''-.; *.' (7.' /,,' 3(1.3(*' (''-'+.**'-*7,*'
1/).' 24' (7.' 6'0/6' /9(7'-(.*' 3' /' +.&' 0/*.*' *907' /*' (7/('
'+' 91.39*' (7.' 1,.-'-' 7/)' 1/).' (7.' /,,' 3(1.3(' 7 1>
.6+F' 3' /' +.&' '(7.-' 7.' 7/)' .1,'&.-.)' /' (-9*(.)' ,.-*'3M'
'-' /' 2'/-)N' (''1/8.' (7.' *.6.0('3' E9(' 3' (7.' :-./('
1/%'-(4' '+' 0/*.*' (7.' 07/-*' 7/)' 2..3' +66.)' 24' (7.' 6'0/6'
09-/N' &(7' ,.-7/,*' (7.' /** *(/30.' '+' (7.' 3.:72'9-3:'
1/:3/(.*' B96/3' &76.' 7.' -.C9-.)' 0/3))/(.*' 3' (7.' +-*('
3*(/30.' (''*921(' (7.-' 07/-/0(.-' /3)' 06/1*' (''(7.'
0-9(34' '+' (7..' /9(7'-(.*' .5,-.**64'-.*.-;.)' (''7 1*.6+' (7.'
+3/6' */30('3' '+' /34' /,,' 3(1.3(' &7 07' (7.4' 1 :7(' 1/8.'
' /;'&.)' -./'3' +'-')' 3:' *'' *' (''' : ;.' :-./(.-' &.:7(

' (' * ' U ' W' G' A')@E' W' 5 ?'
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' \' .QND@' " ' 5 0' '. 0 ' ,-#
, 'L' GG' C)F) QN' ND' F KD)F CC N'
O @D OD)' DU' MQ'Q)' D' OQK ?)D' N '
,Q Q@'" KQC' @' CDULD@ C' N FF KQC'
@QN NQN')?L OD D' YQCCD Q@
Q' , ' 9 ' U ' W' <
&D ?EDC', LQC' #)C' C?' DNO?#D DE'
KT' 1 ', Q DF QC' 5M F?C ' ! ' '05 '

A' A' bRQ? DE' KT' 7? C) D ' 8,' / ' -'
/,33' ' GII"

$3QL)@' /- ' H' !' 0 #0 ' :' 0 '
' B,,' ' J' ', 5 c' C)F 1' = 5,L,*0-'
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' '0B3- 0' " 0'=0' 5M0 03A,!'
: ,5^MU J-' B,' 5 1:2' 500, ,!' 2= 5 '
;*-,8
' 9?' ' D ED@LD' ?@' M C' O? @'
J?ED ?T' ?@' (' * ' U ' H' B

(' (7. -).0*'3$ 29((7.-. 0/3 2. 3'')'92((7/(7 *' -./6 1'(;. &/*' (' ,-.;.3((7. .6.0('3 '+ 7-*(/3*' (' (7.*. ,'*(*F +'-'/6(7'9:7 (7. 1930 ,/6 2') .* 1 :7(2.'1 2/) '-3 ::/-)64 ,/41/*(.-*' (7.-. *' 3'' -./*'3 (' 2.6 .;. (7/(' /*' /' -96.' (7.4 &.-.' 6.**' 0'1 ,.(.3(' (' 1/8.' ,-',.-' /,,' 3(1.3(*' (' /0/).1 0 07/-*' (7/3 (7. 1 ,.-/6 /); *.-*' /(E'-3. 1'3:' (7. 1.12.-*' '+ (7. 6'0/6 09-/' (7.-. &';))' :.3.-/664 2. 3'('364 /' 0.-(/3 3912.-' &7'' 7/)' -.0. ;.)' /3 /0/).1 0 (-/33:' 29(/6*'' ,-'+.**'-*' '-' .5' ,-'+.**'-*' &7'' (7'9:7 24 (7. 6/&' '+ '3*(/3(3.M 3'(6/26.' +'-' (7. 07/-:.*' '+ (7. 09-/' &.-. +-..64 /)1 ((.)' (' (*' -/38*' 9*'3 9*' /3)' *'1.' '+ 7 *' ,-'+.** '3/6 +-.3)*' ,-'2/264 */(3 (7. 09-/' '+ E'-)./95 3)' (7.4 &.-.' (' */4 (7. 6./*(' /*' 0'1 ,.(.3((' *.6.0(/' ,-'+.**'-' /*' (7. 1.3 &7'' *9--'93).)' (7. 1 ,.-'-' 3 (7. '3*'(-91

7. ,-',.-' -.193.-/('3 '+ (7. (./07 3:' *(/+' ,-'2/264 .5.-0*.)' (7.; :6/30.' '+ (7. .1 ,.-'-*' (' /' 1907 :-./(.-').:-..' (7/3 (7.'1').' '+ (*'/,,' 3(1.3(' M -'1' (7.'2.: 33 3:' '+ (7.'+'9-(7'0.3(9-4'/3)',-'2/264'./-6 .-' (7.'+3/30 /6',-.**9-.' '3 (7. 09-/6.*' &/*' 2.0'1 3:' 1'-./3)' 1'-.'*.;.-.')90/> ('3 *' :.3.-/664 (7.' +-*( ).,/-(1.3(3' &7 07 (7.' '-) 3/-4 1/3' & 66 2.: 3' (' -.(-.307 .' 1 :7(*/+.64 2.6 .;.'.;.3 +' &.' 7/)' 3'((7.' .5,-.**' (.*(1'34 '+ 2/39*N (7/(' /3 1,';.-*7.)' 1930 ,/6 (4' &'96)' 09( )'&3 (7.' */6/-.*' '+ (*' ,-'+.**'-*' '-' ,/4 (7.1' ;.-4' --.:96/-64 7.'+/1'9*' 6/&' '+ =-/(/3' **9.)' 3' ? @' *' ,.-7/,*' (7.' 1'*(*(-83:' 669*(-/> ('3' '+ (7.' /35.(4' '+ (7. .1 ,.-'-*' +'-' (7.' &'-(74' 1/3> (.3/30.' '+ /0/).1 0 *(9).*' 7.' .) 0(&/*' **9.)' %9*((&'' 4./-*' 2.+'-.' 9*'3 9*' &7'' 7/)' 2..3' (7. 1 ,.-'-<*' (9('-' &/*' -/*.)' (' (7.' ,-.+.0(9-.' '+ (7.' =/96*'/3)' (7-..' 4./-*' 2.+'-.' 7 *' 0'3*96*7 ,' (' *' -./*'3/26.' (' *9 ,,'*.' (7/((7.' '6)' ,-'+.**'-' '+ E'-)./95' &7'' &/*' *'' 6'4/6 (' 7 *' 0'66./:9.*' /3)' 7 *' ,-'+.** '3' 7/)' *9::.*(.)' (' (7. 1 ,.-'-' (7.' .5,.) .304' '+ 1 ,-'; 3:' (7. -',*('3' (' 1/4' 2.' 3+.--.)' +-'1' (7.' ')./(7/(' (7.',/%'3.3(*' (' ,-'+.**'-*' +-'1' (7.' 1930 ,/6 +93)*' 7/)' 2.0'1.' 6.**' 62.-/6 /3)' 6.**' -.:96/-' =-/(/3' &76.' 7.

' (' * ' U 1' H' <' M??' D@ N' ED' ' 7? CC D' = ?' / ' ,' , 3' ' GI ' ' L D @N' b)F QN'*)E' ND')L)@EQN' TN' /5' ' I' ' H<' #M LM' CM?#' D) D Q' @')F ? D' RQ?E) N' M?Q? D' M) 'O ? DCC? C' @L?NDC' #D D'O DL) ?QC' &[W ?'QE L ?C QE C H QN) LDE) ') ' MD' D@E' ? ' MD' ?Q M' LD@ Q T
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6./;.* (7. :-./(('&3* +-.. (' .6.0((7. - (./07.-* *(- 0(64 %T-.*0- 2./ (7.M*(,.3)* &7 07 (7. ;/- '9* :-/).* '+ ,-'+.**'-* *7/66 -.0. ;. $ 7. -7.('-* /-. (' 7/;. / */6/-4 '+ [V , 0 , T (7. :-/11/- /3* 2'(7 =-..8 /3) /(3 /-. (' 2. ,/) 7/6+ (7. */$/$4 '+ (7. -7.('-* E9(3 -+.;.*'1&7 07 /* (7. :-./(*./('+ '1/3 L,'&.- /((7. (1. / 7 :7.- *0/6. '+ */6/-.* * +5.) 7. (./07.- '+ -7.('-0 * (' 7/;. ?A .& /. (7. /(3 :-/11/- /3 [A /3) (7. =-..8 :-/1> 1/-/3 Q + / 0'1,.(.3(,.-*'3 0/3 2.+'93) R 7/* (' 2. 0'3(.3(& (7(7. */6/-4 /,,' 3(.)+'-''(7.-6'0/6(.*

7. ,'.1* '+ 9*'3 9* +9-3 *7 3) 0/('3* '+ / :-./(.-) ++.-.30. 3 (7. 30'1.* '+ ,-'+.**'-* (7/3 /34 .*($6 *7.) 24 (7 * .) 0('1. '+ (7. :-/11/- /3* '+ E'-)./95 &.-. .;).3(64 6 ;3: 3 '2*09-. ,';.-(4 N 3 (7. '(7.- 7/3) *.;.-/6 ,-'+.**'-* '+ -7.('-0 .3%'4.) 0'1,/-/(;. &./6(7 M 8.,(/ :'')(/26. /3) 6;.) '3 .C9/6 (.-1* & (7 (7. 6'0/6 /-*('0-/04 3 (7/( ) /4 (7. .5.1,('3 +-'1 (/5.* /3) ,926 0 29-).3* &7 07 (7.4 .3%'4.) &/* '+ :-./(,.093 /-4 ;/69. 3 /)) ('3 (' (7. -. :96/-* (,.3)* (7.4 7/) /6*'' (7. +..* ,/) 24 (7. - ,9, 6* 7..- 0/3 2. 3'')'92((7/((7. 06/**.* '+ *'1. ,-'+.**'-* &.-. 6/-:. /6(7'9:7 7'&'6/-:. &. 0/3 7/-)64 ,-.(.3) ('*/4).+3 (.64 N 9*'3 9* *,./8* '+ (7. '3. '-(&' (7'9*/3) &7'' &.-. (-/3.) 24 3.-; 9* +'-' (7. 2/-' /3) +'-' *.3/('-/6 -/38 N 6 2.-/6 .)90/('3* &/* 3'('364 / *'0 /6 3.0.** (4 / 2/):. '+$-/38F (&/* /6*'' +'-' (7. /12('9* 4'9(7 (7.*9-.*(,/**,'-(('' /,6/0. 3 (7. 1,.-/6*.-;0. 7. ,-'+.** '3 '+ /-1* /3) (7. ,9-*9 (* '+ 0'11.-0. &.- /78. ,-/0(0/664 06'*.) (' '1/3* '+ (7. 9,,.- /3) 1))6. -/38* 7. 7. - (' /':-./(.*(/(. &/* -.C9 -.) 24 (7. ', 3 '3 '+ 7 * 06/** (' C9/6 +4 7 1*.6+ +'- 7 * ,'* ('3 24 /0C9 - 3: (7/(

& 0 '((( )) *+ ,(-.*/(, *(0(0*,1* 2 !2+3454/2(, -*- *5 -+*3 -40(/(* 3462,,43 -2/2 +(442/2032+*3 !2+3454/2(, *,+ 02 (-+23532+27 8(+9 "472634:. -4- (// 2 1* 2 53(2 4 -(* '23 -+ <23* 4 -2, 6321*2-+ +(,,(2 9? C N F))FF?#)@LDC KT)@@?@) b E) QN Q@ QC M?NF@ C" L , NN 1) L UU I 6 MD@ VQF)@ ?@LD)CSDE M C P? PD?QCFT E DCCDE K) KD RQ E M)KD D DU) D L?NOD@E LD@)C E QN)C DCO?QE b ?@C? ")@@?@?C DL 3)NO E = '.! L A

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096(9-.' &7 07' 7/)') *(3:9 *7.)' 7 *' /30.*('-*' +'-' :.3.-/('3*' /3)' &7 07' 1/-8.)' '+' (7.' '1/3' 3'26.' +-'1' (7.' 2/-2/-/3' 07 .+F' (7.'4'9(7' '+' 79126.-' +'-(93.' 1 :7(' 7',.' 24' 1./3*' '+' 7 *' .)90/('3' ('' +3)' /' ,6/0.' 3' (7/(' :-./(' /-14' '+' +930('3> /-.*' &7'' *9--'93).)' (7.' 1,.-'-' /3)' (7.' :-./(' ,-'; 30/6' :';.-3'-*$' ' ,', 96/-' /3)' *900.**+96' (./07.-' 7/)' (7.-.+'-.' ,-'2/264'6/-:.' O6/**.*' /3)' 7 *' '-) 3/-4' +..*' &.-.' *&.66.)' 24' ,-.*.3(*' +-'1' *'1.' '+' 7 *' &./6(7 .-' ,9, 6* M' ' -7.('-' &/*' '+(.3' /'-07' 1/3'6 ; 3:' 3' (7.'2.*(' *'0 .(4' /3)' 1/-- .)' (''/9' 7.-.**' 'e' *'1.' &./6(74' +/1 64 N

7.' / 1' '+' (7.' 1,.-/6' 6.:*6/('3' .5,-.**.)' 3' *.;.-/6' .) 0(*' &/*' (''6./;.' (7.',-'+.**'-' '+' (7.'62.-/6' /-(*' +-..' /3)' 3 1,.).)' 3' 7 *' *(9) .*M' E9(' (7.',-'+.** '3' '+6.((.-*' 3' (7.' '&.-' 1,-.' &/*' /6*''3.' '+' 30-./* 3:' &'-6)64' 7'3'9-' /3)' 0'3*).-/('3N' 7.' *.3/('-/6' O6/**' /*' &.' 7/;.' *..3',-).)' (7.1*.6;.*' '3' (7.-' 096(9-.' C9 (.' /*' 1907' /*' '3' (7.-' 2-(7' /3)' ',96.30.' 3)' (7.4'7.6)' 3' 0'--.*,'3) 3:'.*(1/('3' (7.' O6/**' &7'*.' 25*3.**' (' &/*' (''1/3(/3' (7.'6(.-/-4' (-/)('3' 411/079*' /(' (7.' 2.:33 3:' '+' (7.' 0.3(9-4' /3)')'39*' ('&/-)*' (*' O6'*.' &.-.' /-*('0-/(*' (''(7.-' +3:.-(,*';/69 3:' .;.3' (''.50.**' 7.-.)(/-4'-/38' E'(7' '+' (7.1' &.-.'/2*'-2.)' 3' (7.' 3(.-.*(*' '+' (7.-' '-).-' (7.' ! 0'5, ' ' , /*' (7.4' -.:/-).)' (' .(' 2'(7' 411/079*' /3)')'39*' /)1((.)' +-..64' (''(7.-' 33.-' 0-06.' 1.3' &7'' '&.)' (7.-' ,'*('3'*'6.64' (''6(.-/-4'*8 66' /3)').5(.-(4' '+' (7.' 83)' (7.3' /)1-.)' 7.4' 6;.)' '3' (.-1*' '+' +-/(.-3/6' 3(1/04' &(7' 1.3' &7'*.')/4*' &.-.'*,.3(' 3' (7.')-9):.-4' '+' (7.' 06/**-''1' 3' '3.' '+' 7 *' 6.((.-*' M')'39*').*0-2.*' (7.' 07/-1*' '+' ;(/091' (''/':-/11/-/3' '+' (7.'*07''6' '+' 9;.:3.' 3' '-).-

' ' DDLS C' 'M3 ' LUF ' ?' MD') DD' ?' 1 @D QC' 9F? D@ @QC')@E' ?)E QC' M DD' T?Q@P' J)QFC' ?N' % D DC' 1)FF QC' %MD?E? QC' #)C' ?' MQNKFD' ? P@')@E' KDP)@' M C' OQKF L' L) DD')C' N)P C D' DO C QF) QN' Q@ED' J))@' b DDLS' LUF U "' -D? D QC' #M?' KDL)ND' O D DL')@E' L?@CQF' KDP)@' M C') DD')C' @?) QC' @' MD' DD LD' ?')FD@ @)@' b, NN' 1) L' UU ' <' G "' 1?@' ?' M PM' K M')FC? D@ D DE' MD' D? LD' DU' 5D ?@ QC' 1)U NQC' #)C' KQ@D' ?' MD')L DE' ?@C C ? T)@E' @?) QC' @' M C' @ @D DD@ M' TD) ' ' DD' MD' @CL O ?@' ?' M N' CD' QO' KT' MD' DNOD ? C' @' AG' I(8' ' G_ I"

' &D ?EDC', LQC' N)ED')' O DCD@' ?' M C' D)LMD' ?' G<)FD@ C' ' KQ' M C' ?' L?Q CD' #)C' DULDO ?@)F')ODC' ! ' 8 3' ' . ' ' O' B[' M) QC')' J DDS' P)NN))@' ?' 7? ED)QU' L?)'QUO N' @)L @)' L D' @?K F C' D' F?LQ' QFD) D L 03' F- ' U ' I' ' UU ' B ' (' * ' U ' W' W' ')@E' GH ' DD' MD' ?Q 'F)#C' ?' '%MD?E?C QC')@E' &?@? QC' KD #DD@' G')@E' AH' (' * ' U ' W' GB GI' #M LM' L?@ N')@E' D@X ? LD' MD' F)#C' ?' ?@C)@ @D' U ' H' G A' W ' E?@')5' ' A

(' (. 1 , (7 1 (' *, . 3) (7.) ' :) / 4* 3 (* *7 /) . * 4 1 1 / 07 * (' ' 8 (7. : - . / (. *(3(. - . *(3 (7. ' & ' - 6) 64 /) ; / 30. 1 . 3(' + 7 * 6 (. - / - 4 *+ - . 3) *F$ / 3) (- . : / -) .) *(7. ' 6 2. - / 6 . 3) ' & 1 . 3(' + / 0 /) . 1 0 *(9) . * /* L/ Q 1 / - 8 L ' + / +6 ' 9 - *7 3 : 0 ' (3 1 ' 3 & . / 6(7 R . 7 / 6.) . *, . 0 / 664 (7. . 6. ; / (' 3 ' + 9 * ' 3 9 * / 3) 7 * + / 1 64 (7 : 7 - / 38 / 3) ' ++ 0. / * / & ' - (74 - . 0 ' : 3 (' 3 ' + (7.) : 3 (4 ' + 6. ((. - * $ 3) 3) . .) 1 . - . / 0 /) . 1 0 1 . - (7 / * *. 6) ' 1 3 7 *(' 4 6.) (*907 , ' & . - / -) & ' - 6) 64) *(30(' 3 ' - *. ; . - / 6 4. / - * (1 / 4 7. * /) & (7 (- 9(7 (7 / ((7. : ' ; . - 3 1 . 3(' + (7. . *(& / * 3 (7. $7 / 3) * ' + (7. + / 1 64 ' + 9 * ' 3 9 * & 7 ' 7. 6) / 66 (7. : - . / (, - . + . 0(9 - . * N 7. , ' . (7 1 *. 6+ /)) .) (' I(7. , - . + . 0(9 - . ' + (7. = / 96 * (7. / 30 . 3(7 ' 3 ' 9 - * ' + (7. 0 ' 3 * 96 > *7 , * 0 ' 1 1 / 3) 3 : 3+69. 30. 0 / 3 7. (- / 0.) 3 3 ' (/ + . & ' + (7. 1 , - / 6 0 ' 3 *((9(' 3 * (7 / * 3) . .) 2 . . 3 , 6 / 9 * 264 *9 : : . *(.) (7 / ((7. . 5 , - ' + . ** ' - <* /) 1 3 *(- / (; . 0 / , / 0 (4 & / * 3 ' (. C9 / 6 (7 * , ' . (0 / - (M 3) (7 / ( ) 9 - 3 : 7 * , - . + . 0(9 - . (7. : ' ; . - 3 1 . 3(' + = / 96 & / * 0 ' 1 2 3.) & (7 (7 / (' + (/ 64 3 (7. 7 / 3) * ' + 7 * * ' 3 . *, . - 9 * (* 0. - (/ 364 3 ' (. & ' - (74 (7 / ((7. .) 0(* - . 6 / (3 : (' (7. . *(. - 3 , - ' ; 30. * / - .) 9 - 3 : 9 * ' 3 9 * 4. / - ' + ' ++ 0. & (7 ' 3 . .50. , (' 3 /)) - . ** .) (' 7 * * ' 3 N + (7 * 2 . * ' (1 . - . 64 *7 ' & * 7 ' &) . (. - 1 3.) (7. 1 , . - ' - & / * . ; . 3 / ((7. 0 ' * (' + * ' 1 .) *(9 - 2 / 30 . ' + (7. ' ++ 0 / 6 - ' 9(3. (' , . - 1 (7 * ' 6) (9(' - ' (' . 3 % ' 4 (7. 7 : 7 . *(7 ' 3 ' 9 - * & 7 07 (7. 1 , - . 7 /) (' 2 . *(' &

(* 3 ' (/ 1 . - . 1 , (4 2 ' / *(, - ' 1 , (.) 24 3 / (' 3 *) ; / 3 (4 (7 / ((7. (- /) (' 3 ' + = - / . 0 ' ' 1 / 3 096(9 - . 3 (7. 6 / *(0. 3(9 - 4 ' + (7. . *(. - 3 1 , - . & / * 1 / 3(/ 3.) 1 ' *(; : ' - ' 9 * 64 3 = / 9 ' +/ - / * * . 096 / - 6 (. - / (9 - . & / * 0 ' 30. - 3.) (/ 64 , / 3 / 3) + - 0 / 7 /) * , . 3((7. - + ' - 0. 7. * 07 ' ' 6* ' + = / 96 3 (7. + + (7 0. 3(9 - 4 / 6(7 ' 9 : 7 6 (. - / - 4 *(9) . * & . - . * 7 ' & 3 : 931 *(/ 8 > / 26. * : 3* ' +) . 0 /) . 30. & . - . *(66 : . 3 . - / 664 , - ' *, . - ' 9 * % / 3) (* + - ' 1 (7. 1 07 . +64 (7 / (& . 1 9 *( ) - / & ' 9 - 0 ' 30. , (' 3 *

TN)5 _I 5 CL)@QC) D NDQC LQN O N C OM F?C?OM? QNF D) ?) D M?@DC) D LD@CD@EQC CD@) Q)QL ? DC)F) DN?FQND@)L?@CDR Q Q

_B A[

$ %MD)Q M? DC # FF MD ?Q@E @ DDLS C '2 UU U UUU ?N@?C DQN N OD 0L? ED@ DN N)OC) QC Q@ QC) @ F)D RQ)C O) N?@ QN D)

DDLS C '2 UUU CDE O?DF @?C D P)NN) LQC RQ) N) EN @ CX) ? NDF ? Q CCD ED Q)RQD @?)) ? DUL?P)) DC R@) @?ND@ O)D DD , QC?@ ? DN)@? D ? QN)@ DNNLNC) QC ?@QC &DCOD ? @LQNKD D D J)FF)D LQN) F) L?@ Y NL)D CQ@ D L /)QCLMD@ O AH g (* B W< ED @QND ? D DE? QN RQ)D Q@? E D DU Q@? F?L? N? D O?CCQ@

'+' (7.' 07/-/0(.-' '+' '1/3' 096(9-.' 9' (7.' 6/*(' 4./-*' '+'F(7.' 1, -.' '+' (7.' .*(' 7.-.''&/*' *'1.(7 3:' 3' (7.' .6(0' 3/(9-.'&7 07' *..1.)' ('' -.*,'3)' & (7' ,.0 6/-'.3.-:4' ('' (7.' *(1969*' '+' (7.' -7.('-0/6' (-/ 3 3:' 7. .6'C9.30.' '+'(7.' =/96*' &/*' 0.6.2-/(.)' 2.+'-.' (7.' '1/3' '009,/('3' 3' (7.' /30 .3(' =-..8'0'6'34' '+' /-*. 66.*' (7.'(-/ 3 3:'+'(7.' .66.3 0' *07''6*' 7/)' 2..3' ./-64' .*(/26*7.) M' /3)' /-*. 66.*' /*'/('3.' (1.' /'+/;'9-(. .*@-(,+' *(9).3(*' +-'1' (/64' /3)' /00'-) 3:' ('' (-/2'' (7-.&' .;.3' (7.3*' 3('' (7.' *7/). ' 3' (7. -. :3' '+' 2.-9*' (6.' *07''6C+' 9(93' .*(/26*7.)' *''3' /+(.-' (7.' 1/3' 0'3C9.*(' &/*' (7-'3:.)' & (7' (7.' 4'9(7' '+' (7.' 3'+06.*(' +/16.*N' /-*. 66.*' 6'*(' *'1.&7/(' '+' (*' +'-1.-' /0/).1 0' -.3'&3' 29(' (7.' *07''6*' '+' (7.' ./*(' /3)' 0.3(-.''+' =/96' /,,./-' ('' 7/;.' 1/3(/3.)' /' ;:'-'9*' .5*(.30.' .;.3' (7-'9:7' (7.' (-'926.*' '+' (7.' (7-)' 0.3(9-4' /3)' (7.'+/1.' '+' (7.' +6'-)' =/66 0' .6'C9.30.'-./07.)' (*' 7.:7(' 3'(7.' /3.:4-*(*M' .($ (' /*' '364' 3' (7.'+'9-(7' 0.3(9-4' (7/(' (7.' E'1/3' 6/3:9/:.'/3)' 6(.-/(9-.'&.-.'0'1,6.(.64' 3/(9-/6*.)' '3' =/66 0' *' 6' -/0.*' '+' (7.'/30 .3(') /6.0(*'*(66'6 3:.-.)' .;.3'/1'3:'(7.'.)90/(.)' 06/**' 7.'+/(7.-''+' 9*'3 9*'&7''&/*' '+' /3' '6)' =/66 0' *('08'*,'8.' /(3' 2/)64 N' ' 1.12.-' '+' (7.' */1.'+/1 64' /96 39*' '+' .66/' (.66*' 9*' (7/(' 7.'&/*' 1907' 1'-.'/(' 7'1.' 3' =-..8'(7/3' 3' /(3 N' 3' (7.' 2.:33 3:' '+' (7.' +'+(7' 0.3(9-4' 96, 0 9*' .;.-9*' -.,-.*.3(*' /' =/66 0' 1'38' /*' /,'6':*3:' +'-' (7.

' VQ ' ' ' '' = ' FF ' J)FF)' L)Q') E L?)' E??Q ')LQ@E)' 7)@@?C' 1' ,@ ?@ QC' J@ OM?')' J)FF L' MD ? ' #)C' Q ?'?'V')DC)')@E' LD ?' 1', ' J@ OM?' @PD@QQC' @' J)FF)' @) QC' ' ' ' F?LQ ' O NQN' @' 8 ' VQF ' E?N?' ND ')E@QL' ' ' ' b QD ' '$ ' " ' ' L' "' 8?N QC', D ')N?QC' @' MD' L P@C'?')F PQF)' F)QE QC')@E' -D ?' b%)L' "" ' U ' GI"' #)C' ?N' - NDC' b& L ?@' (0 ')E')' B', 8 '8?N QC' , D ' -DN)QCD@C C' LF) Q)' ?) ?' M)' D Q "')F PQF)' DC)KF CMDE' ?) ? L)F ?@ DC C') ' 3T?@C' b QD ' (, ' L W ="

')K?' ' B' bGHG"' * ! ' 2 5' ?F L,#5 ' !5K ' ' L 2 !' *5 0 ', '=,' M0 =0 5*' '= "' Ø #KL ' 5==51!' 5 ' 5K 50' 0 ' ,5 50 ' * Ø #, '.-# 5 02' ' 2' '' *M5 ,5'2 ' =, ' ?FFC 22-55- *"7' - 5, -2' B 2' 2 ')'+,' !-,' '95, ' <0' :5 , ' = ' - 2' =?'Q) DC '2 , ' '%)L' "" ' +'

#MD D' 1)CC F)' C' ND@ ?@DE')C' MD' D D)' ?')' C QE ?QC' DU FD

$%)L' ' ' W' , QPQC ?EQ@QN')L ? ' ??LQO) D)' D' @?K F CC N)N' J)FF) QN' CQK?FDN' F KD)F KQC' C QE C' K' ?OD))N' D L

' & D ?@')5' UUU ' W' CD N?' L?NO?C QCD J)FF L)@?' L? F@Q @?' FQD@C' ' C' #? M' @? @P' M) ' F C' FD D' C')' L L CN' ?')' #? S' KT' /MD L QC' K CM?O' ? ', Q Q@' ?@' MD' ?@P' ? ' ?@PC' ?' MD')FQD' ?' #M LM' ' VD ?ND' M)C' D ED@ FT')' O?? ' ?O @ ?@

$, QC?@' 2 ' ' I' ' CD@??@@' NO ?NO QC' 3) ?' D Q@ , L)' F @PQ)'

CQ FDL ' DQF ' ?? KQC' DF?RQ

') B ' <'

O ? N C') F F K ?C' D)N')@C D' 1) ?@ C U' KQQD' L?NO K"'YQKL? ' CD N?@?' 3)F @?

FQ ' ' CM?QFE' KD' C) E' M) ' 5)QF @QC' #)C' K? @' @')' J DDS COD)S @P' O ? @LD

2/-2/- *1' '+' 7 *' -9*(0') '1 $' E9(' (7.' 6 (.-/-4' -.3/ **/30.' '+' (7.' +'9-(7' 0.3(9-4' 0'1 ,6.(.)' (7.' '1/3 */('3' '+' (7.' :-./(' ,-'; 30.' '+' (7.' .*(' /3)' 1/).' (' (7.' 6/*(' *(-'3:7'6)' '+' '1/3' 096(9-.' 3' (7 *' 1';.1.3(' (7.' 1'-.' /30.3(' *07''6*' '+' (7.' '9(7 /*(' +/ 6.)' (''1/3(/ 3' (7. -' '6)' ,-.*(:.' 7.' *07''6' '+' /-*. 66.*' *' 6((6.' 7./-)' '+' 3' (7.' +'9-(7' 0.3(9-4' 9(93' /+(.-' (*' 1'1.3(/-4' -.;;/6' 93).-' 91.3 9*' /6*'' */38' 3('' '2*09-(4' 7.'-./664' ,-'*,.-'9*' /3)' ;:'-'9*' *./(*' '+' /0/).1 0' 6 +.' 3' (7 *' ,.-')' &.-.' -.;.*' '3' (7.' 3'-(7./*(.-3' +-'3(.-' /3)' (7.' *07''6*' '+' C9(/3.' 3' (7.' .*(' -.;.*' +'-' *'1.' 4./-*' &/*' (7.' *./(' '+' .1, -.'/3)' (7.' +/;'9-(.'-.*).30.' '+' (7.' .1,.-'-*N' /3)' =-/(/3' /*' &.' 7/;.' *..3' (-.)' (''/((-/0(' (''(*' *07''6*' (7.' +'-.1'*(' (/6.3(' 24' *,.0 /664' 7:7' *(,.3)*' E9(' (7.' /((.1,(' &/*' +-'1' (7.' 0 -09 1*(/30.*' '+' (7.' (1.' +'-.)''1.)' (''/69-.' -+.;.*' &/*' .**.3(/664' /':-./(' 1 6(/-4',' *('3' 0'3+-'3(3:' (7.' 1.3/0 3:' ().' '+' 2/-2/-/3' 3;/*'3' (7 3' 6((6.' 1'-.' (7/3' /':.3.-/('3' +-'1' (7.')/(.' '+' (7.' 6/&' &7 07' &/*' (''.3)'&' (' & (7' /3' /0/).1 0' ,-1/04' -.;.*' &/*' +'9-' (1.*':;.3' 9,' ('' + -.' /3)' *&'-)' 24' (7.' =.-1/3* N' /:3 +> 0.3(' -9 3*' *(66' -.1/3' (''/((.*(' (7.'+/;'9-' /3)' 1/:3+0.30.' '+' (7.' /.*/-*' E9(' (7.' *07''6' '+' -.;.*' ;/3 *7.)' & (7'9(' 6./;3:' /' (-/0.' (' &/*' 3' -07' /3)' +.-(6.' C9(/3.' +/-' -.1';.)' +-'1' (7.' 1'-.' *9)).3' /3)').*'6/(3:' 3-'/)*' '+' (7.' =.-1/3*' (7/(' /0/).1 0' 6 +.' &/*').*(3.)' (''6 3:.-' 6'3:.*(' /3)' (''*7'&' (7.' 1'*(' .3)9-3:' ;(/6(4' 7.-.' &.-.' 3)..)' *(66' /' 3912.-' '+' /0/).1 0' 0.3(-.*' .6*.&7.-.' /(' 4'3* M' -6.* N' 9;.-:3.' .33. N' &7 07' *(66' 1/3(/3.)' /' 0.-(/3

' QFO' D ' F ,L ' A_' D D? ' @D' ? D@E) ' TDC)C' @ N QN' Q K)@)C')Q DC' ' ' ,QC?@' " 0' '01' 7 1' ' CD N?' QC L ? ' ' C')KCQ E' M?#X H_H' @' MD' M ?@?F?P)' ? ' MD' ? ' * ' ' D D ')C' 8D' ?QF)QPDC' I8 ,' ?,!L ' $0 ' O)EC' Q ' @ NDE)D' P DNF?' CDLQ)' RQ DCL ' O ' GAH'' O? @ C' ?Q ' ?' @ D ' ?N' MD' NOD ' F DC' RQ?E')F ' RQ?E' DC 'D ') N) ?FF?# @P' #? EC' (.',-' ' ,! ' ", ' 0X- ' M) ' MD' N?@S' J)FFQC' ')F ')(' 3 ?' @C' ?Q ' ?' @ D ' ?N' MD' OQP@))' DC' RQ) D ' Q KC' J)FF? QN' #M?')O?F?P CDC' ? ' M C' - .0 ' 0' ?OQFD@ CC N) CO?SD' ?@D' ? ' MD' ?FE' E)FDL C' ? ' 0)QF' ' 3T?@C' M)E' C FF)' DOQ) ?@' #MD@' bL ' 9)Q DF' ' W "' %MD' O)CC)PD' @' E?@ QC')@E' M C' D@EC') D@EDE' MD' E?@ ')5 ' ' W' Q)DRQD' OD C?@)D' FDL Q DC' ? ' .QCDK QC' MD D')5 ' ' G' RQ?@E)N' EDK QN' RQ#F CD N?@ C' ' B ' M) U' 50 ' ' ' ' DF ?' CRQ)N)N' EDO?C Q)' @?K F)C' A[A_ @Q@?' ?) ? ?' C TF?' ' ' ' NKQDK) Q ' ', FDC')C' MD' CD)' ?' MD' O D DL Q D' @DDE' @?' ND)@' M)' MD' @?KFDC')L Q)FFT' ??S' MD' OF)LD' ?' % D DC' @' MD' M' CO?SD' DF L' @' MD' T?Q M' ?' .LE L QC' LD@ Q T')@E' FDP)F' C QE DC' F?Q CMDE' D' . ' W[MD D' DD' MD' FD D C' ?' MD' YQ C' ' DD' MD' @QNKD' ?' L?@C Q ?@C' 5D M@ QC' E')5' '<' ' G E) DE' ?N' % D ' KD #DD@' WBH')@E ' M) U' 50 ' ' ' ' A[_

/00'1,6*7.) .'& 7'0/1.('+66(7.)++096(,'*(''+*.0-.(/-4('9-0$*).*0-2.)/*/%9-*(&'-(74('-/38&(7(7.:-./(.*('+/3(C9(4 3,76'*',74(7.-.&/*,-'2/264'6((6.-./6(-/33:3(7'*.)/4*.50.,(/(7.3*F29(.;.3/(7.3*,76'*',74(7/)*/)64).:.3.-/(.)/3)Q(7.:'6).3 07/3'+(7. 6/('30*900.**'3R&/*&(73/+.&4./-*('2.2-'8.324(7..)0('+B9*(3/3B.-'1.*/4*(7/(3 7*(1.,76'*',70/6*(9)4 7/)0./*.)('+'-1/,/-('+/62.-/6.)90/('3N 3)(7.-./-.+.&(-/0.*'+/:.39 3.3(.-.*(3,76'*',74('2.+'93)3(7.,9-.64'6(.-/-4'-.1/3*'+(7.++(70.3(9-4'('*(-9.(7/(')39*7/*'*.;.-/6+-.3)*&7''/-).;'(.)('6/('M/3)+-'1''3.,/**/:.3 7*6.((.-*&.1:7(.;.3 3+.-(7.5*(.30.'+/6/('30*07''6 3'9(7.-3=/96.-1 3)*-'29*/1.12.-'+/3/00'1,6*7.)+/164/(/-2'33.''+(7.-0'11'3-*('(.6/3*(9).*3'(7.'06/**-''1''+9*.29*/(4'3*M 3'(7.-+-.3)93(.)3/;.-4*3:96/-&/4/).;'('3('(7.(.3.(*'+6'(39*&(7/3/-).3(6';.'+/-13:N '-(7.&.))3:'+/3'(7.-4'93:6/('3*(')'39*&-'(./3.,(7/6/19-/N&707'*,-'2/264'(7.1'*(09-'9*0'1,'*('3'(7/(&/*.;.-',-')90.)+'-*907/3'00/*'3 3 8..,3:&(7(7.*'2.-(/*(.*'+(7.5 2-).:-''1 3.-;/3*(./)'+.39*'*(7.6./)3:+:9-.3'(7.*0.3.7.-.,/-*('(7.6/3)'+-.07(7.9*'&7.-.3/:'-:.'9*(.1,6./-.*./(.)/66(7.*/:.*/3),76'*',7.-*'+=-..0.'364,09-9*'3'(7.3(.-.*(*'+*'93)1'-/6(4'2.3:.5069).)7.4/-./'07/-/0(.-*.)3**'1.&/429(&(7.(7.-'/2/3/6(4'-'/:-'(.*C9.3.**&707'/61'*(.5069).*'(7.,'**>26(4'+/34'(7'-'9:7'-'*.-'9*0'30.,('3'+(7.-*4*(.1*+'(7.,76'*',70 2-).:-''1&/*'(7./00'1,6*7.)6/('3*(7.*'-.,-.*.3(.)('7/;.2..3'7.19*(7/;.*79)).-.)/(7.63.*&707'*91'9,'7*:-./(1/*(.-<*(./073:7.06 1/5'+/2*9-)2/)(/*(.*'-./07.)&7.393).-'(7.;.-4'.4.*'+(7.;-:3':'))**'/*'*'),0(.)3'(7./0('+

'E')5''AA'??E D'@)NRQ?'OD'O?D@CC N'L?@C F)'DP)'?QC')?FF L Q)'?K)'O) D'@LP?)'D'YQ)'?DED)'D'KDFF)'''L?PQ?CL C

')5'"'FK''L'<'RQ?Q)'RQ)RQD'N @D',C?DFDN'FDP'Z:Q)@'5F) ?@C'DF'FK?C'@?DD'DF

@?NDD@'Z U'@')PQF)'?C'D?'CD@D)'DL?FQ@
\')5''@
'1''G')?Y)N'Q'CQK'.))?K?@?)?'@D',C?DFD)C'L)DP?)I')DU'E)FDL LQC')LCC)K)C
'1''B''B
'7,'=2

06 , , 3:' (7.' -'9:7' 2./-)' '+' /'043 0' ,7 6'*', 7.-' & (7', .-+91.)' *0 **'-*`$ 3' (7.' .96':4' '3' (7.' 1 , .-'-' 3(7.1 9*' /1'3:' 7 *' 1 /34' C9/6+0/('3*'+'-'(7.'(7-'3.'(7.-.' *' /3'.391.-/('3' '+' (7.' ,7 6'*', 7.-*' 7.' 7/)' *(9) .) $' (' *' /' 1.-.' *(-3:' '+' 3/1.*' & (7' 7.-.' /3)' (7.-.' *'1.' ,9-.64' /3.0)'(0' /3)' .5(.-3/6' (-/ (' /)).)' +'-'6 (.-/-4' .++.0(' 7.' ,7 6'*', 7 0' *(9)4' '+' (7/(' /:.' ,-'2/264' 0'30.-3.)' (*.6+' 07 .+64' /*' 3(7.1 9*' *'*/)' ('' 7/;.')'3.' & (7' 6./-3 3:

RQ ER@ E' F)QE) ' LT M L C' ,@)LM) C C' @') C'
RQ ERQ E' 5T M)P?)C' 8DN?L QC' &D)LF CRQD'
ED FD ' C ')LQ ' RQ?ELQ@RQD' 5F) ?@ C'
@PD@ QN' RQ?E' @') LD' Q ' E?LD' ? E @D' DN?' D !

3.' 0/33'(' 7.6,' (7 38 3:' 3' -./) 3:' *907' 6 3.*' (7/(' 3' (7.' 0 -06.' '+')'3 9*' =-..8' ,7 6'*', 74' &/*' '364' /' 793(3:' :-'93)' +'-'6 ;.64' '-' , 0(9-.*C9.' /669* '3' /3)' 3'(' /' *92%.0(' '+':.39 3.' *0 .3(+0' 3(.-.*(' (' *' ,-'2/264' 3'(' 9307/- (/26.' ('' 2.6 .;.' (7/(' 1 '*(' '+'(7.*.' 1 .3' 7/)' '364' ;/:9.' /3)' *0-/, ,4' 3'(' '3*' '+' 7/6.*' /3)' 4(7/:'-/*' '0-/(.*' /3)' 6/('' 0/9:7(' 9,' +-'1' (7.' 6.0(9-.*' '+' (7.' :-/1 1/- /3' '3' *' 1.' *07''6' 06/** 0 7.' 1 ,-.** '3' /*' (''(7.' 0'3;.3('3/6' /3)' *9,.-+0/6' 07/-/0(.-' '+', 7 6'*', 7 0' *(9)4' 3' (7.' *.096/-' *07''6*' '+' (7.' + +(7' 0.3(9-4' & 66' 2.' 0'3+-1.)' 24' -.+.-.30.' ('' (7.' 7/3)2''8' '+' (7.' 6 2.-/6' /-(*' 0'1, 6.)' 24' /-(/39*' /, .66/' /' -7.('-' '+' +-0/ N' 7 *' 2''8' 7/)' /3' .5(-/'-) 3/-4' , ',96/-(4' 3' (7.'))6.' :.* M' (' +'-1.)' (7.' 2/* *' '+' /0/).1 0' (-/ 3 3:' +'-' 0.3(9-.*' 3' (7.' .6.;.3(7' 0.3(9 4' (' &/*' (-/3*6/(.)' 3('' =.-1/3' (' *' +' 1)' 3' (7.' 0/(/6':9.' '+' (7.' : ./(' 1'3/*(0' 6 2-/-.*' /3)' &/*' 0'1 1.3(.)' '3' 24' :-./(' *07''61.3' (' *') ++ 096(' ('' 0'30. ;.' (7.' *(//(.' '+' 096(9-.' &7.3' (7 *' 1 5(9-.' '+')-4' (-/) ('3/6' *07''6' 6./-3 3:' /3)' (/*(.6.**' /3)' .5(-/;/:/3(' 14(7'6': 0/6' '-3/1.3(' /, ,6.)' ('' (7.' 1'*(' 30'3:-9'9*

' ,' DN @ CLD@LD' ?')FDC' ?' MD')N? ?QC'O ?OD@C DC'? '8 ?PD@DC'CQLM')C') D' ?Q@E' @' 3QL)@' / ' ' GH' ' , MD@' U ' B' bBHH"' OC' bL?' @O)
' 5*3 ,5' 02 ! J'' '
B 3
' E' (, ' ' G<B
' %MD' E) D' ? ' 1))@QC')ODFF)' C' 4@LD) @' C?ND' OF)L @P' M N') ' F D' D@E' ?' MD' M' LD@ Q T' ? MD C' Q@' MD' N EEFD' ? ' MD' M E' b ' .TCCD@M) E C 5)D ' L' G"' %MD' ?@FT' M @P') ')FF' LD) @' CDDNC' ?' KD' M) ' MD' NQC' M) Q' # D@' KD ? D' F ?')@E)F' Q)C ?@' ? ' , L)' b.TC CD@M' OO' T ' "
' 0])@)N' ' W<< ' .KD ' 8 ' '
% , ' ' HW' J DP' %Q ' ' ' / '
=' , ' 3 ' D D C' ?')O?FF)')C' MD' DPQF) ' M)@EK??S' @' MD' F KD)F'))' @' M C')PD' 9?' MD' P D) ' @QNKD' ? ' 1 ' . TCCD@F)@F C' 5)D ' UU' XX

1/(.-/6 & (7 /3 /2*'69(.64 2 O/--. .++.0(' 0'96) 7/;. 2..3 /,,6/9).)/*/*&..(.3.-'+(7.(' 6* '+6./-3 3: (*+/30 +96 *.((3:1 :7(*..1 (''/1').1 -./).-/).6 2.-/(./((.1,((''29-6.*C9.(7.).6 O/(.7/3)6 3:'+ 14(7 24 (7./9(7'-'+ (7. ,. /3)(7.$ 5-1 . .(7.-. *3'') '92(7/(/,.66/ &/*/ *.-'9* /3) ,-/0(0/6 (./07.-/3) 7 *2''8 -.,-.*.3(* (7'-'9:764 2'(7 (7.*,-(/3) (7.*4*(.1'+(7. /0/).1 O) *0 ,6 3.'+7 */:. 7.+-*((&''2''8*/-.: ;.3 9, .3(-.64 (''+/26. 3 ,-'*./3) ;.-*. .-09-4 (7.:')'+ .6'C9.30. *('.*,'9*. 7 6'6':4 7.).*(3.)2-).'19*(2..6.;/(.)'(''(7.) ; 3..*(/(.'+7.-'6';.-$ 29(*7. *+-*(0'1,.66.)'('') *07/-:. 3-/(7.-) *:9*(3:+/*7 '3 7.-'6'/)' +.-9) ('3N 3 (7. *7/,.'+ ,/-071.3(-'66*'26/08.3.)/3) 1'96)4 & (7 /:.'-'0';.-.)' & (7 7 .-':64,7 O *412'6*/3) +:9-.*'+:.'1.(-4 7. *2'-3.'/1)'(7.*'3:*'+ (7. 9*.*'N (7-'9:7'(7.*/--4*,7.-.*/3)'/6'3:'(7. 684 /4 ('(7.,/6/0.'+(7.8 3:'+7./;.3$ 7.-.'2.+'-.'/3 /9:9*(0'930 6'+:'')*/3)':')6 8.*/:.*'/((7.-.C9.*('+(7.2-).<* 1'(7.-'7.-')'&-4**+5.)F (7.1/--/:.'0'3(-/0(/3)'(7.6.5 /, /''/-.'+'-1/664'-.0(.)' 7. .;.3 *(.- -(*/-. /**:3.)/*7.-/((.3)/3(* 3.'+(7.*.* */6.0(0'29(*7. -.,-.*.3(* *'1.(73:;.-4) ++.-.3(+-'1'(7.*926 1.*0.30. &707 6/('1./3(24 (7/(3/1.N 7.2''8'3 /6.0(0* -./664 /(-./(*.'3+'-1/6 6':0 3 &707 &.1..('30.1'-. /66 (7.'6)',6/:9.*'+'9-4'9(7 00).3*/3) -',-91N .C9;'09 3/3) 3;'091 92*(/3(/ -1/3) 92*(/3(/ .093)/ 7.-.*7/-)64/-.+.-.30.('(7.:-./(;;+4 3: (7'9:7(*'+=-..8,7 6'*',74 3) &7.3 &.*9-;.4 (7. -/38*'+(7.0.6.*(/6 .3/(./6(7'9:7 (7.3/1.*'+ 669*> (-'9* ,7 6'*',7.-* /-. (7.-.4'9+..6 (7/(7.4/-.'364 2-'9:7(3 ('*&.66 /,/:./3(1/-*7/66.)24 1.-.*07''6 -7.('-0 '-3.-$ -:6 /3) -,7.9*'93)(7.69(.2.*). -07 1.).* /3) 6/('&7'/-.(9-3 3:*,7.-.*'+:'6) .-/06(9* *:6'& 7/6.* *1'*(.1'0-(9* *3;'6;.) 3/ 06'9)'+/('1* 7 6. 4(7/:'-/* *(7-./)3:(7. 6/24-3(7'+0.-(/3 0.6.*(/6 3912.-* -*('(6. * 3 /35 '9*

' 1))O' [' OC)NRQD' @QO' Q)N' ED?' L?@ D@ D' @?@' O?CCD' @C' C' D' CD@) QC' L?@CQF QN' N?)FC' DCCD' EDC@D D ', ' GW<' GWB

\' 1' GG ' 1' A[H (' 5' 6 5' OO' <WA' BWB ' 1))O' W<<' WB<' W _' ' 1' AGA

C9.*(' + 3(.6.07 / / 1 '3 : (7. 7. :7(* ' + 7./ ;.3 7. *(-/ 3 * '364 -.6 .;.) 24 , 09-9* 0'1 3 : 9, '3 (7. *0.3. & (7 / , 6. '+ -'*.* /3) ; '6.(* 3 *907 +..26. -.1 3 *0.30. /3) (/*(.6.** +- ;'6 (4) '(7. :6'- .* '+ (7. 40.91 /3) (7. 0/).14 -./07 /3 :3'1 3 '9* 06'*.

. /-.)./6 3 : 3 (7 * 07/,(.- & (7 *.096/- /3) *.1 > ,/:/3 096(9-. &7 07 6 ;.) '3 (7. /30.3((-/) ('3 E9((* &.66 ('-.1 3) '9-*.6;.* (7/(& (7 3 (7. ,/6. '+ (7. 79-07 (7.-. 7/* *.6) '1 2..3 / +-..- /3) 1'-. ; :'-'9* 3(.66.0(9/6 6 +. (7/3 (7.-. &/* 3 (7. ++(7 0.3(9-4 . 7/;. /6-./)4 -.+.--.) ('(7. :-./(*.1 .6/: /3 *07''6 &7 07 7/) (* 7'1. /3) 0.3(-. 3 (7. -.6 : '9* 7'9*. '+)-3* /3) &7 07 3912.-.) /1'3 : (* /)7.-.3(* *'1. '+ (7. :-./(.*(/3) */ 3(7.*('+ (7. =/66 0 .006.* /*(0* '+ (7/(/:. E9((7.-. &/* /3'(7.- 0'3(-';.-*4 :' 3 :' 3 /((7. */1. (1. &7 07 (7'9:7 0'3)90(.) 24 079-071.3 /3) 3*, -.) 24 (7.'6': 0/6 1'(;.* +'66'&.) (7. 6 3.* /3) (' *'1. .5(.3((7. *, -('+ (7. /30.3(,7 6'*',74 /9*(9* '+ .O /+'-1.- /22'('+ /-3*$ 7/) -.; ;.) (7. (7.'-4 7.6) 24 *'1. '+ (7. ./-64 +/(7.-* (7/((7. 3/(9-. '+ (7. *'96 * 0'-,'-./6M . /-. 3'(0'30.-3.) 7.-. & (7 (7. /-:91.3(* 9*.) (' 1/3(/ 3 (7 * (7.* *F 29((&/* / (7.'-4 &7 07 6.3(/ *9,,'-(('' -(7')'5 ; .&* '+ +9(9-. ,93 *71.3(/3) (/,,./-* (' 7/;. 2..3 &).64 /00.,(.) /3) +-..64) *09**.) /1.-(9* 6/9) /39*N (7. /00'1,6 *7.) /3) /26. ,- .*('+ .33. 0'1,'*.) /3 .6/2'-/(. (-./(*. 3 /3*&.- (' (7. ; .&* '+ /9*(9* .*(/-(* +-'1 0.-(/ 3 (7.'6': 0/6 ,-.1 *.*F 29(7 * 1.(7')' + ,-'+ * .**.3(/664 '+ (7. /3(C9. ,/((.-3 3) 3 7 * *.0'3) 2''8 7. *9,,'-(* 7 * /-:91.3(24 0', '9* -.+.-.30.* (' (7. =-..8 /3) '1/3 ,7 6'*',7.-* M 3 (7.*. (7. .006.* /*(0/6 /(((9). ('',7 6'*',74 *(/3)* 3 1/-8.) 0'3

' JD@@)E ' '. 5).. ' H< ' %MD FD D ' C QCQ)FFT O @ DE) F?@P # M 1)N F)QE)@QC ' ', - , ' .@PDFK DLM C DE' "0 5 '. 5).. '),

\ ) ' %D QF3 ' , L B _ E?FD ')OQE @ D ?C)@ N)' LQYQCE) N ' D OQ@ Q ' @ F)NN)' D ' ? QL) Q ' @ F @PQ) ' ' ' OD ' RQ?E OQ@ Q ' ' ' M?L LC ' L? OQC ' 4KD #DP 6) ' H[<' \ %MD C?QF M)C D C) ND ? N)C MD K?ET ')@E C EDF L) D FQN @?QC ')@E)D ? N @ CQKC)@LD ' '#D D @?' N) D)F 'L?QFE @?' KD)L DE 4O?@ KT MD K?ET @?' #?QFE ' KD L)O)KFD ? 'CQF D @P ^

' JD@@)E ' HW & C LM))L D C EDF @D) DE KT ,O?4 E')5 ' GG

' @ KD ' ' , - , D D D@LD C N)ED @ ED) F ?' %M)FDC ' 5T M)P?X)C ' .O LQ QC ' 5M F?F)QC ? ' %) D@ Q@ ' , LMT)C & OO?' ' 1 D)O?@ QN ' fD@?' 5F) ?' 5? OMT T ' D L

(-/*(' (''(6 .' 1 .-.64'(-/) ('3/6 /3)' /0/).1 0')'3 9*' -.+.-*' ('' 29(' '3.') /6':9.' '+' 6/(''24'3/1.'(7.' , OR /3)'(7.3' '364'(''(7.' /(3'(-/3*6/('3'+' (' 24' ,96. 9*' 6/9) /39*' *..1*'('' 83'&'7*' 6/(''/3)' : ;.*' 0', '9*'(-/3*6/('3*'+-'1' (7.') /6':9.*N' 7.'(-./(*.'7/*'+/96(*''+'1.(7')'/3)'*0.30.'F' 29(' (' *' /' *.-'9*' /((.1,(' 24' /3' /09(.' /3)' &.66'.C9 ,,.)' 1/3' (''). /6' & (7' /') ++ 096(' *92%.0(' 3' /' ,7 6'*',7 0' *, -(' (' &/*').) 0/(.)'('' (7.' 2 *7',''+' 9;.-:3.' 3' (7.' 1'*(' 0'1> ,6 1.3(/-4' (.-1*' /3)' (7.' 2 *7',' '+' 0'9-*.' /083'&6.):.)' (7.' 7'3'9-')'3.'('' 7 1' .' .1,6'4*' .;.-4' /)%.0(;.' 3' 7 *' ;'0/296/-4' /3)' .;.-4' 3/1.' 3' 7 *' 1.1'-4' '+' 6(.-/(9-.'('').*0-2.' (7.' /61'*(' --.0'30 6/26.' .50.66.30.*' '+' (7.' *(46.' '+' 6/9) /39*F' 29(' 7.' 3.;.-'' '30.' /,,-'/07.*' (7.' *92%.0(' '+' (7.' 2''8N' 7.-.' *' 3'(' /' 7 3(' (''*7'&'(7/(' 7.'7/)' :-/,,6.)' & (7' (7.' ,-'26.1' '+' 6/9) /39*' (-./(*.'-' (7/(' 7.' 7/)' +'-1.)' /34' ', 3 '3' /*' (''(7.' /9(7'-' *900.**' .50.,(' /*' /' 1.-.' 1/3 ,96/('-'+',7-/*.

(' /,,./-*' (7.3' (7/(' 3' (7.' *.096/-' /0/).1 0') *0 ,6 3.' '+' (7.' + +(7' 0.3(9-4' 3'(7 3:').*.-; 3:' (7.' 3/1.' '+' *.- '9*' ,7 6'*',7 0' 3C9 -4' +'93)' /' ,6/0.' '-' &/*' (7.-.' /34(7 3:' '+' -./6' *0.30.' 16.**' &.') :3 +4' 24' (7/(' 3/1.' (7.' *(-/3:.' %9 1 26.'+' 3/009-/(.':.':-/,74' 14*(0/6' 1/(7.1/(0*'/3)'(-/>) ('3/6'/*(-'3'14'&7 07' *' (''2.'+'93)' 3'(7.'1.) /.;/6'7/3)> 2''8''+' /,.66/' ('&/*'3'(7.'(&''8 3)-.)'*(9) .*''+':-/11/-/3)' -7.('-0'(7/(' (7.' .3.-:4'+U93 ;.-*(4'(./07 3:' .5,.3).)' (*.6+'/*' (' 7/)')'3.'+'-' 0.3(9-.*' 7.' .3.-:4'&/*':-./(F' (7.' 1.(7')' &/*' (7'-'9:7' /3)' .6/2'-/(.)' 24'/:.*' '+' 0-(0/6' .5,.-.30.' 7.'.++.0(''3'(7.',9, 6<*' 1 3)'/3)'07/-/0(.-'&/*' ,-'2/264' 1'-.' ,-'+'93)' (7/3' /+(4'*4*(.1'+' .)90/('3'7/*' .;.-' ,-')90.)' 7.(7.-' (' &/*' .3(-.64'*/69(/-4' *' /3'(7.-' C9.*('3' E9(' 3''' 3.'0/3' ,-',.-64' /,,-.0/(.' (7.'6(.-/-%' /3)' .;.3' (7.' 1'-/6'('3.'+' (7/(' /:.'& (7'9(' /' 0'1,-.7.3> *'3'+' (7.'*,-(' 3'&7 07' (7.' ,-'+.**'-*' '+' -7.('-0' /3)' :-/11/-' ,.-+'-1.)' (7.-' (/*8'/3)' (7.'6 1 (*' & (7 3' &7 07' (7.4' 1';.)

;.3' 3',-'; 30/6' 0'66.:.*' (7.-.' &.-.' /(' /66' (1.*' 2'(7

')5' '[' (, ' 'G_H
7 P' '', -' 'Q'_
'9D P' "'''' 50 '' '-' '
@ ' 'O'GG'CQPPDC C' M)' E?@ QC

E E'@?'# CM' ?'EDLF) D'M NCDF')P) @C'
9)QC QC' #M?' #)C')' OD C?@)F' D@E'
7Q'G E?QK'#MD MD' E?@ QC'M)E')@T'
)C D'? L)O)? T' ?'CD ?QC'OM F?C?OM L'
M?QPM

=-..8 /3) /(3 :-/11/-/3* /1'3: (7. ,-'+.**'-* 7. *07''6* '+(7. .*(' 3.;.-'+'-:'(' (7. *'9-0.+-'1 &707 (7. -(-/) ('3 &/*).-;.) /3) (7. -.; ;/6 '+ 6.((.-* 3 (7. .*(' 3 (7. +'9-(7 0.3(9-4 &/* /6*'' /-.;;/6 '+ .66.3*1 91.39* (7. +/1'9* ,-'+.**'- '+ 9(93 &7'' &/* /+'-.> -933.-'+(7.1';.1.3(' 3 =/96 &/* '+ ((0).*0.3($ /3) =-..8*(9) .* +'-/(1.'009, .) /, -'13.3(' ,6/0. E'4* *..1 (''7/;.2.:93 =-..8 ./-64 7. +/(7.-'+ 9*'39* 83.& (&.66 /6(7'9:7 7. &/* /, ''- /(3 *07'6/-N 7. */1. * (-9.'+ /96 39* '+ .66/ &7'' &/* 1/).' (''-./) '1.-/9) 6/('' 3 7 * ++(7 4./-M 9*'39* &'96) 7/;. 7 * :-/3)*'3 2.:3 7 * 6(.-/-4 *(9) .* & (7 '1.-/3) .3/3).-N /-'3 3 (7. + +(7 0.3(9-4 *'1. '+ (7. +- .3)* '+)'39* /,,./-' (''7/;.'0'3(39.) (7.-=-..8 *(9) .* 3 1/(9-. 6 +. /1,-)9*).06/1.) & (7 .C9/6 +/06(4 3 =-..8 /3) /(3N 7.-. &/* /, /** '3 +'-=-..8 ,'.(-4 3 (7. 096(;/(.) 0-06. '+ /-2'33.<$/3))'39*)'.* 3'(' .1,6. (''0'1,/-. (7.-; ;.-*.* & (7 (7'*. '+ (7. :-./(' 06/** 0* .(3 *,(. '+ /66 (7 * &. /-. 0'1,.66.) +-'1 ;/-'9* 3) 0/('3* (''0'3069). (7/(3 (7. + +(7 0.3(9-4 (7. *(9)4 '+=-..8 3 (7. .*(&/*).06 3 3: (3 * &.66 83'&3 (7/(3 9:9*(3. & (7 /66 7 * 6./-3 3: &/* /3 3) ++.-.3(' =-..8*07'6/-N 9*'39*))'3'(/,,64 7 1*.6+('' (7. *(9)4 3 7 *'4'9(7 /3) 6/1.3(*'7 * 3.:6:.30.N 7. /(3':-/11/-/3* 7.6) /7:7.-,'*(' 3 /3) -.0.;.) 7:7.-,/4 (7/3 (7. =-..8 MN 3 (7. +/1'9* .) 0(' '+ ? @ +'-'(7. .*(/26 *7 1.3(' '+ 07/ -* 3 =/96 ,-';*'3 * 1/).' +'-'3. =-..8 :-/11/-/3

' (' * 'U W GG b) '% V DC"' L ' ' AG' G b ?@C)@ @?OFD"' ,QC?@' 03' F- ' ' U ' UU ' 5)QF @' 5DFF' F-. ' GG_

' mQN '5 0' F ,- , ' '. 0 'L' G_' RQ) N C' D@ N')@ D' @O%DCC@N' OQD')D' ND)D' @ D@@ CC)' QD ' D? QN' ?UD LD@E)' C QE C' DRQD@) ?')ND@' FF L') QN' RQ?@E) N' NDQN' E?LQ CCD')QE ?' M?N @DN' , MDQ C' ? QN' 4?N)?' E Q' L?FDK ?N

' ,QC?Q' 2 ' ' G[

' F-. '_A

@ L' C ?' DU L ?' O N' N?U' DNO? D' GQ C ' F?PN@)' &?L) C' D' KD4 L)' OF) 1 @))' &?ND ' ? ? D& : QD' 3DPD@C L?P@?CLD D' L?P? ' 4F U C

$ 2 ' ' <' E?@ QC' D)EC' 1D@)@ED ' # M' M C' C?@')5' ' GA

' E')5' U' GW

EDLF)@NQC' PDN @' O?NFD D' CQK' C F' L?)N' E CL OQF C' 7Q E P)FD@C' KQC

' E' (-' UU ' G[[' XX

' ,QP' (0 9' ' L' GW' RQ E')Q DN D) 'L)QC)D' LQ' J)DL)C' F D)C' ?ED)N' RQ KQ)' OQD QFQ)' NKQDK) ' @D' @Q@L' RQ ED)' N M' C) C' DUOF?) Q@'' DC ' %DQ DF' ' _'

$ 03' F- ' ' G ' '

DRQD' E CL OF @ C')OOQF ' O)DL C' OQD F C')D ' Q?U QC' D ?

' ' * 'U 'W' GG' P @ ' J)N' N) L?' 3) @?' J)DL?' D)N' C' RQ' E P@QC' D "D ' O? QD ' EQ?EDL N' O)DKD)@ Q ')Q@?@)D

/(' -+.;.*F 29(' (7.' 1,.-'-' *..1*' ('' 7/;.' *'1.')'92(' &7.(7.-' /'0'1,.(3(',-'+.**'-'0/3'2.'+'93)

7.'6.0(9-.*' '+' (7.' :-/11/-/3' &.-.' +'-' 1/34' /:.*' 0'3>)90(.)' '3' (7.' *4*(.1' '+' -./) 3:' 3(.-,-.(3:'/3)'0'11.3(> 3:' '3' (7.'*(/3)/-)' &'-8*' '+' /3(C9(4M' 3'(7.'./-6.-'*(/:.*' (7.'(./07 3:' &/*' 3'(' /2';.' (7/(' '+' /'6'&'+'-1' 3' '3.' '+' '9-' :-/11/-' *07''6*N' 3' (*' 1'-.'/12('9*'.++'-(*' ('&'96)' 3' /';.-4' 931.(7') 0/6' /3)',.-7/,*' *9,.-+0/6' &/4'0'--.*,'3)' 3' *'1.').:-..' ('' (7.' 62.-/6' *(9).*' '+' '9-' 93;.-*(.*' 1'3:' (7.' :-/11/-/3*' '+' E'-)./95' (7.-.' &.-.' 1.3' '+' *6.3).-' ,/-(*'/3)' 6./-33:N' E9('/8.3' 3' (*' 7:7.*(' -/3:.' (7.' ,-'+.**' 3').1/3).)' /' &).' +' 3'(' /' ;.-4' ,-'+'93)' 83'&6.):.' '+' 1/34'*92%.0(*' 3'(' /(' /66' /8 3' ('' '3.' /3'(7.-' =-./(' *(-.**' &/*' 6/)' '3' :'')' -./)3:' &(7' ,-',.-' /((.3> ('3' ('' /00.3(' /3)' .5,-.**' 3$' *' &.' 1:7(' .5,.0(' (7.' :-/11/-/3' ;.-4' 1907' ,-.+.--.)' (7.' ,'.(*' ('' (7.' ,-'*.' &-(.-*' /*' /'+.6)'+'-'.5,'*('3'/3)':-./(' /((.3('3' &/*' :;.3' ('',-'*')4'/3)'1.(-.' &(7'/';.&' ('' 1(/('3' +(.-' :-/1> 1/(0/6'/3/64**'0/1.'/((.1,(*'/('6(.-/-4'/,,-.0/('3' ++096(' ,/**/:.*' &.-.') *09**.)'/3)',-/,7-/*.)'/3)'(7.',9,6<*' /((.3> ('3' &/*')-/&3' ('' *(-83:'1.(/,7'-*' '-').60/04'+'/-(*(0' .5,-.**'3' E9(' &7.3' /66' (7*' &/*')'3.'(7.' :-/11/-/3<*' (/*8' &/*'3'(' +3*7.)' .'7/)'(7.3'('' /(((/08'(7.'*92%.0(' 1/((.-'/3)'('' 1/8.'(7.'(.5(' (7.' '00/*'3' +'-' 0'11930/(3:' /' 196(+/-'9*' 1/**' '+' 3+'-1/('3' 7*' &/*'(7.' +.6)' '+' (7.' 7:7.-' 6./-33:' '+' (7.' /:.F' /3)' /' :-/11/-/3' '+' (7.' +-*(' -/38' -.C9-.)' /' 0.-(/3' 1/*(.-4' '+' 1/34' 2-/307.*' '+' 83'&6.):.G .(41'6':4'7*('-4'%9-*,-9).30.' ,'3(+0/6' 6'-.' :.'1.(-4' 19*0' /*(-'3'14' 7.R'3'(.*' '+' .-; 9*'3' -:6' '-' (7.' ', - , ,' '+ /0-'29*' '-' (7.'(7-)' 2''8' '+' /,.66/' ,-'2/264':;.' /'+/ -64' /009-/(.' 3'('3' '+' (7.' 6.0(9-.*' '+' (7.' :-/11/-/3*' ('3.'(1.'(7.',9,6<*' /((.3('3' &66'2.'0/66.)

' @' "' * ' ' AG' G' MD' RQ)F X L) ?@C' ?' MD' P??E' O ? DCC?' ') D' D@QND) DE' ' KF)NDFDCC' LM))L D ' CFL FF' @' D)LM@P' FQD@LT' EDF L)LT' @' @X D O D) ?@')@E' L?O ?QC@DCC' ? ' E CX RQ C ?@

' ,QC?@' 03' F- ' UU ' <

DFDND@ ? QN' O N)' E?LDK)C' C P@C@? Q QN

' 1' U' A'

@?ND@' O)N @) L'@DL' NDNF)CD' OQ ?@

' :Q @ F' ' " ' 3' ?' H' CQ' OD DC' FDL ?' ' @' RQ)' OQD' Q' CL) ' QK' CQCOD@ED C' CO QN' EDKD) ' RQ?' F?L?' D DQN' E C @PQD D' QK' ?F)QE) Q' CD@CQC' Q@ED' @L O) ' ' ' ' EDN?@' C) ' @ C' @' ?OD D' OC?' @?@' O? DC ' ' ,QC?@' 2 ' ' \ ,E' - DO? DN

Q' FDU@_D' CLQNF@D' ?LFD' @@ Q@D ?C@QND ?C E?L @)LLD@ K C D D T') DL QCR4F' NO?@D' FDPD@C' D L

,QP' 4 ' " ' G ' 2 ' 'W'

('' (7.' ,74*0/6' +'-1/('3' '+' (7.' 6.((.-' *'93)*' '-' ('') ++.-> .30.*' '+' /-07/0' 9*/:.' /(' /3'(7.-' ('' (7.' .(41'6':4' '+' ,-6*' '-' B/39*')9*' '-' -(.1*' 0'3*96' '-' .6/**$' -' (7.' (.5(' 1/4' 0/66' +'-' /3' 3(.-,-.(/('3' '+' (7.' 14(7*' '+' /(9-3N' '-' (7.' ., (7.(*' 40 9*' '-' 4(7 9*' : ;.3' ('' ,'66' ' -' (7.'.-9) ('3' '+' -:6' & 66' 2.' 669*(-/(.)' 24' /') *C9*('3' '3' ,'3(+0/6' 6/&' /*' ('' (7.' &/*7 3:' '+' *7..,' '3' '3 ' '-' '3' (7.' ., (7.(*' &7 07' 7.' /,,6.*' ('' (7.' .3/(.*'' -'' '3'7*' 83'&> 6.):.' '+' (7.'-(9/6' '+' (7.' ,'66 3.' &'-*7,' /(' .6'*' 3)' 3' *'1.' '+' (7.*.') *09** '3*' (' *' 3(.-.*(3:' ('' 3'(0.' (7/(' (7.' =-..8' :-/11/-/3' 7/*' 29(' /'*6 :7(' .*(..1' +'-' (7.' 0'1,.(.30.' '+' 7*' /(3' 0'66./:9.' (''(-/08' (7.'*92(6.'/669* '3*' '+' /' 09- '9*' 6./-33:N

7.' 1 39(.' /3(C9/-/3*1' '+'*907' 2''8*' /*' (7.' ', - - ,' 1/4'*..1' '+(.3' ('') .:.3.-/(.' 3('' (-+6 3:' 7.' .(41'6': .*' 09--.3(' 3' (7.' '1/3'*07''6*' /-.' '+' 0'9-*.' 7', .6.**64' /-2 (-/-4' /3)' 93*0 .3(+0N' .(' (7.'6 (.-/-4'%9):1.3(' /3)' (/*(.' /-.' 3'(' 24' /34' 1./3*' *'' +..26.' /*' (7.' :.3.-/6' 07/-/0(.-' '+' (7/(' /:.' 1 :7(' 6./)' '3.'('' .5, .0(' 7.'(./07.-' &7'' 0'3+3.)' 7 1*.6+' (''1.-.' *9, .-+0/6' .5,6/3/('3' '+' (7.' (.5(' & (7'9(' /34' /((.1,(' /(' /').., .-' /, , -.0/('3' '+' 7*' /9(7'-' &/*' -.:/-).)' /*' /' *'--4' 1/*(.-' '+' 7*' 0-/+($' ' ;.-4' 3(.-.*(3:' ,/-(' '+' (7.' ', - , ,' *' (7/(' &7 07' *').;'(.)' (''/3' .57/9*(;.' 0-(0*1' '+' -:6' 3)' (7*' ,-'2/264' *7'&*' 9*' (7.' :-/11/-/3' '+' (7.'+'9-(7' 0.3(9-4' /(' 7*' 2.*(' +' 0'9-*.' 7.' 37.-(.)' 1907' +-'1' 1/34' :.3.-/('3*' '+' +'-:'((.3' 0-(0*' 6 8.' (7.' 5+'-)' 6.0(9-.-' '3' 6/('' /3)' -*('(6.' 3' '9-' '&3')/4' E9(' (' *' ,6./*/3(' (''*..' (7/(' (7.*.') 6.((/3(' &7'' &.-.' /009*('1.)' (''' /&/-)' .;.-4') 966' ,'.(/*(.-' /1'3:' (7.-' +-.3)*' /' ,6/0.' /1'3:' (7.' 11'-(/6*' ,-'+'93)64' /)1-.)' -:6' /3)' 0/3' :;.'-./*'3*' +'-' (7.-' /)1-/('3' 7.4' 0/3' *..' 2'(7' 7*' 93/,,-'/07/26.' 2./9(.*' /3)' 7*').+.0(*' 7.4' 83'&'(7.-' '1.-' &.66' /3)' (7.4' *..' /66' (7.').2(' (7/(' -:6' '&.*' ('' '1.-' .-.' /3)' (7.-.' 9*(/(79*' &7'' 6./)*' 3' (7*' .5,'*('3' 3'(0.*' (7/(

' 1) ')O' 'ABG' '8')OOQFCQ' F QP)D' L L)' CQOL ? DC' ED@ DC' N)CL ' Q '5' F)K C' C Q' D QNO ' /' CO ' Q @' F @PQ)' L CO)@ D' L?@)E Q ' D L' O ' :Q @ F' ' '' ' ' ' I' ' ' ' 1)? ?K' ', ' ' GA' GA' ' H' H' ' ' ' G<' B' ' G<' A[' ? ' :Q @ 3' 3' ' '' ' ' B' WW

' 1)L ?K' ', ' ' G_' B[' WB ' 1' ' B' A' ' ' G[' ' 'W' GG \' 1' ' GI' WG' RQD)' F ?) ? DC DC ' @DD' ?KCLQ@Q@' OQ)@ ' ' ' ' ' RQ)C' J)DL)D' FD? ?@ C' DUOD LC H') ' ' G_' _ ' ' I' I' ' 1' ' A ' GA

(7.' 6/(.-' 7/*' 1,-';.)' 9,'3' (7.' '6).-' ,'.($' E9(' (' * /)1 ((.)' /6*'' (7/(' '1.-' 7/*' /' Q 2- :7(' *,..)R' /3)' *9-.> 3.**' &7 07' -: 6' 3.;.-' /,,-'/07.) $' 3)' & (7' /66' 7 *'-/,)' ,'&.-' '1.-' '+(.3' : ;.*' :-/,7 0').(/ 6*' &7 07' -: 6' *69-*' ';.-' '-' '1 (*N' 3' '3.' ,/**/:.' '+' (7.' ' (' *' ,' 3(.)' '9(' (7/(' '364' Q/'6+.6.**'0'-,*.R'-.1/ 3*' 3'(7.' /(3' 1 (/('3M' (' *' /6*'' 3'(.)' (7/(' -: 6' 7/*'0', .)'.;.3'(7.'+/96(*' '+' 7 *' 1').6' /3)' (7/(' &7.-.' 7.' 7/*' 3'(' '1.-<*' :9)/30.'7.' * *'1.(1.*' &./8' E9(''3' (7.' '(7.-' 7/3)' /1,6.'‰9*(0.' *)'3.' ('' -: 6<*' ,.096/-' ,'&.-' /3)' 07/-1' *' -/3:.' '+' 6./-3 3:' *' 669*(-/(.)' & (7' :-./(' 1 39(.3.**F' .*,.0 /664' 7 *' 0'11/3)' '+' */0.-)'(/6' 6'-.N' 0/66*' +'-(7' (7.' /)1 -/('3' '+' 1.3' &7''7/;.' 1/).' (' (7.'*(9)4' '+' (7.-'6;.*' 7.-.' /-.' -.1 3*0.30.*' '+' (7.' *07''6*' 29(' /6*'' *'1.' (-9.' 0-(0*1 3' (7.' .96':4' '+' (7.' ,'.(<*' -7.('-0/6' *8 66' &7 07' *' *'' ;/-'9*' /3)' 4.(' *'' /,,/-.3(64''2.) .3('('' (7.'-96.*' '+' (-/) ('3/6' /-(N' 7.' 0-(0' 3' /0-'2 9*' *7'&*' (7/(' -: 6' *' /*' 1907''-/('-' /*' ,'.(' /9)' (7/(' 7 *')-/1/(0' *41,/(74' 7/*' .57/9*(.)' .;.-4' ;/-.(4' '+' '-/('-0/6' *(46. $' *' *(-/3:.' ,/(7'*N' &7 07' *' *(--.)' 24' (7.' &./83.**' '+' /:.' '-' 3+/304' 24' (7.' 1.1'-4' '+' /')*(/3(' 7'1.' 3' (7.' &/-- '-<*').//(7/:'34' (7.' */0-.)3.**' '+' /30.*(-/6' /6(/-*' (7.' 1/:3.)' +..63:' '+')912' 3/3 1/(.' (7 3:*' (7.' *.3(1.3(' (7/(' 0'3*.0-/(.*' *(-./1' '-' :-';.' *' (-/0.)' ('' (*' 1/34' *'9-0.*' & (7' /' * 30.-(4' &7 07' 1/8.*' 9*' +'-: ;.' (7.'('907.*' '+' ,.)/3(-4' 7.' :-./(' ,'.(' *' Q' /3' ' :/3' '+' 1/34' *(',*R' .' 7/*' /66' (7.';/-.(4' '+' /(9-.' 7*' :-./(' (./07.-N' 3)' (7'9:7' 7.' 2'--'&*' +-..64' 7.' /6&/4*' 1/8.*' :'')' 7*' ((6.' ('' (7.' 6'/3' 24' /3' /))).)' +.60(4' &7 07' '+(.3' 1'-.' (7/3' /('3.*' +'-' (7.' '- :3/6(7.+($

3' (7.' *07''6*' '+' (7.' +'9-(7' /3)' ++(7' 0.3(9-.*' -: 6' /1'3:' /(3',.(*'7'6)*'(7.'+'-.1'*(',6/0.' 7.-.' *'7/-)64' /34' /9(7'-'('&7'1' ' 9:9*(3.'*'' +-.C9.3(64'-.+.-*' 3' (7.' (2' 03' ?0' .' 7/*' /' 2'93)6.**' /)1 -/('3' +'-' (7.

G 1)L ?K' ', ' 'GG' G B
' 1' 'GW' A
I 1' 'GW' G_' GH
' P' 'U' _<G' _<B' 1)L ?K' ', ' 'GW' AH W[
\' 1)L ?K' ', ' 'I' GB' EL QN D'
%?K C' O ?K) QN' C @D' E @' D' MQN)@'
YQ C' CL D@)' @?@' O?CCD' O ? Q@E) DN'
1) ?@ C' @ DFFDP' ' %MD' O D ?QC' O)

?' KS' ' L?@) @C' N)@T' O ?? C' ? '
M C
$ 1' 'G' G
_' 1' 'G' _
' 1' 'H
\' 1' 'G' GH
' 1' 'H' GB' M D' ?OO? Q@D' @'
?OQC' CQ N' RQ)D' O ?') DC' E UD)'
)@C D D@E?' DL 'Q 'CQ)'DCCD' L DE)@ Q

Q'3'26.*('+'/66',.(*'$&7'*.'07/-1'7/*'*938'*'')..,' 3'(7.'
1 3)*'+' '1/3'4'9(7'(7/('3'7 3:'0/3'.++/0.'(*' 3+69.30.'
9664'/3)' /-'' /-.'(7.'1'*(')/3:.-'9*'-;/6*'+'(7.' .2-.&'
0-,(9-.*' 3'(7.'*(9).*'+' B.-'1.M -:6'*'3.'+'(7.'
6(.-/-4')'6*'+' 9*'3 9*' ',' 3/-*')'3 9*'7.'*'(7.'
,-30.'+',.(*'&'-(74'+'/',6/0.'2.*).' '1.-N 7.',.(*'
&7''0/1.'3.5(' 3',',96/-(4'&.-.' '-/0.'/3)'.-.30.' 7.'
1(/('3*'/3)'-.1 3*0.30.*'+'(7.'+'-1.-' 3')'3 9*'/-.'
'364'6.**'391.-'9*'(7/3'(7'*.'+' -:6M .-.30.'&/*'/'
+/;'9-(.'/9(7'-' 3' 9;.-:3.' 3'(7.'++(7'0.3(9-4F$)'3 9*'
1/8.*'+-.C9.3(''-.+.-.30.'('7 1'/3)'-./)'(7.'6.2,'&(7'
7*'*'3' 1'3:'(7.'6).-' /(3',.(*'90-.(9*/3)' /(9669*'
..1'('7/;.'2..3'6./('*(9).)'/3)'1(/(.)N 7.'0','9*>
3.**'.6.:/30.'/3)'*8 6+96'(.073C9.'+' (/(9*'1/).'7 1'/'
,.0/6'+/;'9-(.'&(7' 9'3 9*' 6/9)/3'/3)')'3 9*M /3)'
1/34',7-/*.*'/3)'(9-3*'+'.5,-.**'3'3'(7.').*0-,(;.',.1*'
'+'(7.'2*7',' 0/3'2.'(-/0.)'('(7.' 6;/.'/3)'(7.' 7.2/*'
'('6.**'1/-8.)' *'(7.'3+69.30.'+' 6/9)/3' 3'*7/,3:'(7.'
/3.:4-0*'+')'3 9*N E9'(7.'1(/('-'7/*6((6.'+'(7.'
:.39 3.',&.-'(7.') :3(4'/3)'07*.66.)'06/**0/6',1(4'+'7*'
1')6' 1'3:' /(3',-'*.'&-(.-*'(7.'3+69.30.'+' 0.-''
&7 07' 3'(7.'+'9-(7'0.3(9-4'&/*';.-4'1/-8.)M'3'&-(.-*'6 8.'
/0(/3(9*'*..1*'('7/;.'2..3'+..26.'3'(7.'++(7' 7.'
4'93:.-' 6 34'&/*'3.'+'(7.'1'*('/,,-';.)'1').6*'3',-'*.N
? 31/079?'*(9).)'7*'*(46.'06'*.64')'3 9*',-'+.**.*'('
+'66'&' 3'(7.'+''(*(.,*'+' 411/079*'/3)' 6 34MN' 6 34<*'
096(;/('3'+'.,*('6/-4'*(46.'/00'93(*'+'-'7*',-'1 3.30.'3'
/3'/:.'&7.3'(7/('*,.0.*'+'0'1,'*('3'&/*'*''1907'/)1 -.)

'F'(!'4 ''L'W

'(0 ',' G,@'FK' '?'B'@?C C' D@ N' D' OC)D' RQ?E' OFQC' RQ)N' RQ @' EDL N')@@'CQ@ 'DU'RQ? @'N)@QCND)C' @QNRQ)N' %QFF QC' @Q @RQ)N' 1)?' QQNRQ)N' PD@ FQN'F D)QN' RQ' FKD')QL ?')CLD@E

'E')5''GW' O F@LDOC'O?D)@N' 5QKF QC'&Q@ Q)@Q7' L''G_' JDCFD'' 50*''' !3' '-''M)C'L?FFDL DE'FF'MD'Y)CC)PDC' @'#M LM' E?@ QC' M)C' RQ? DE'?' 4))DE' P F'OO'B I

'JDCFD'OO'GG GI

''E')5''A''GA'L D P' B'JDCFD'O'G

'JDCFD'OO' A' W'L' @EDU' ,QL ? QN'@' LMDQSF C'DE'?',QC?@ QC

'%MD'@FQD@LD'?')QC'?@' E?@ QC' C'O ? QCDFT'FFQC)DE'KT'7 CLM? CST' '('0 '50 '' '' '',,

$JDCFD'O'AH'L'9D P' 'GB

'1)L?K' ',' ' G' _' 9?'EM?) ?Q D')Q M? C' ?' TN N)LMQC' CDD' DDLS)'2 'UF

')5''G'G' ' 'AA' DP?'5F@?'Q'E CL OQFQC')CCQ P?''

'W' 9?'MD'DU D@')@E' LM))L D'? '5F@T C' @FQD@LD'?@' E?@ QC'?' JDCFD'OO'<< XX'T 9D P' 'O' AG

/ *' (' & / *' 3' (7.' + +(7' 0.3(9-4F 29(' (7.-.' /-.' ;.-2/6' (- 08*' 3' 6 34<*' (46.' &7 07' 0/9:7(' (7.' 1 ,9-.' -6/*(.' '+' '3.' '+' (7.' 1 '*(M' (/*(.%..*' &- (.-*' &7 '' .;.<-' 6 ;.)' ' &3' (' (7.' O6'*.' '+' (7.' .*(.-3' 1 , -.' /*' 3' (7.' (1 . '+' (7.' 3('3 3/' /669*(' &/*' ,.-7/,*' (7.' 1 '*(' :.3.-/664' /) 1 -.)' &- (.-' '+' ,-'*.' /3)'M(7.' :- ./(.*(' +/;'9- (.' 3' (7.' O6/** -'' 1 $' *' (.-*.' 2-.; (4' 7 *' /-07/ *1* /3)' ,7 6'*',7 0/6' -.+6.0('3*F/2';.' /66' 7 *' .50.** ;.' +'3)3.**' +'-' /3((7.* *' -.0' 1 1.3).)' 7 1' (' &- (.-*' &7 '' &.%.' /6& /4*' *..8 3:' +'-' *(- 8 3:' .++.0(*' 3' *(46.

7.' ',,'* ('3' 2.(&..3' (7.' ,9-.64' 6 (.-/-4' /3)' (7.' /3(> C9/- /3' /3)' 7 *('- 0/6' 3(.-.*(' 3' (7.' *(9)4' '+' (7.' O6/** 0*(' *..1*' (' '7/;.' 2..3' /*' 1/-8.)' 3' (7/(' /:.' /*' (' 7/*' 2..3' * 30.' (7.' .3/ **/30.H' E.*).' (7.')'6/(.-*' '+' +'-1' /3)' ,7-/*.' (7.-.' &.-.' *(9).3(*').;'(.)' (' (7.' &'-1 ./(.3';'613.*' &7 07' +.&' .;.-' ',.3.)' ' 1.' '+' (7.*.' 26/08 6.((.-' *07'6/-*' + :9-.' 3' (7.' ,'-(-/ (*' '+' (7.' E'-).95' *07''6' 3.' '+' (7.1' /' 4'93:' /** *(/3(' ‹,-'+.**'-N' 7/)' /' ,/** '3'+'-' (7.*.' 93(-'))).3' &/4*' '+' '2*09-.'-.*./-07' 3' ,'3(+0/6' *0.30.' /3)' (7.' '-:3*' '+' '1/3' 3*((9('3*' 3'(7.-' &/*' */)' (' 2.' 1/*(.-' '+' /66' (7.'6'-.' 3' (7.'* 5'793)-.)';'691.*' '+' /--'$' +' &.' 1/4'%9):.' 24' (7.'9*.' 1/).' '+' /--'' 24' /0-'29*' /3)' /-(/39*' /,./N' (7/(' :-./(' */;/3(' &/*' (7.' *'9-0.' +-'1' &7 07' 1'*(' '+' (7.':-/1> 1/-/3<*' 6./-3 3:' -.C9 -.)' +'-' O6/** -'' 1' ,9-,'*.*' &/*')-/&3 '1.' '+' (7.' :-./(' 1 3)*' 3' (7.'6/(.-' (1.*' '+' (7.' .,926 0' /3)' 93).-' (7.' /-64' 1 , -.' 7/)' +6'/(3:' 2.+'-.' (7.1' (7.' ; * '3' '+' /' 6 2.-/6' ,-',/.).9(0N' &7 07' *7'96)' .12-/0.' /

' ,O?FF' E' (, ' ' GI[' RQ)' COQC' K D) D' OF)LD ' UU ' G<A' ' 1)? ?K' ', ' ' G' _' K D D' @' RQ?')FF@C QC' DP@) ' 9? ' M C' @ FQD@LD' ?@' QFO L QC' D D@ C' Q' 7DN)TC'RQ? DE' @' %DQ DF' 8, ' 8 ' ' O' I' ? ' .KD ' 3' W[' ')@E' MD'ED D@LD'? ')FFQC ')P) @C ' M C' ED) L ? C' @' , QF' JDFF' ' G<' ' ,QPQC @D' D D C' ?' M N' D T' DX RQD@ FT ' KQ ' LM D FT' ? ' M C' N?)F' D FDLX ?@C ' ' (! ' 4 ' ' W ' U ' I' ' ' GH' ' ' G[' ' ' ??S C' (, ' UUU ' XX ' DD' 1) S' 5) C?@ C' (, -10 ' ?@' MD' L?@)C ' KD #DD@' MD')F)@')@E' MD' 9 D@LM' MQN)@ C C' OO' <[H <G[' L ' VDKK C' F 2' O' AA[' ,QC?@' 03' F- ' U P@?))))FE@D' @' FFK C' @DL' @ C' ?OD)' DPD@C' DUD))C @D C' OO L)CRQD' D QF D' D' LM))C' N)Y? ' R@)N' O ?N C' LQ)' KF' @C QE C' D L ' 1' ==' G[' '?N@ C' E?L @)D') ?' KF' L?O F)' RQ)@)N' L?@E ' CDULD@ C') ?' ?F? Q @ KQC 9? ')' C N F) ')C D' @' MD' ND' ? ' E?@ QC' ? ')5' ' GB' Q@ED' D@ N' @?K C' FFQE' F?RQD@E ' L ? LQN' PD@QC')? OD)@ RQQN' Z 4@ED' F)' C)F))' DF' KTFF @)' DF')K @ C')KQCRQD' Q KQC')L?) ' RQ)D' N)P C C' OFL QN ' RQ?' D LD@ KQC' O ?NO QC' D)F C')F RQ C')Q ' F)ND@')Q ' D DN?C C' LP)F QN' RQ)DC ?@QN')D@ PN) C)' O) D DLD ' ' :Q Q F' , ' " ' ' B' G \' DD' .TCCD@M) E C' 003' , '%, ' (,5 ,' ?' W ' LF' ' " ' ' B' ' H[' ' %)L' 4 , # ' " ' W[

(7'-'9:7' *(9)4' '+' 7 *('-4' %9- *,-9).30.' ,7 6'*',74' /66' $(7.'
0 .30.' &7 07' /-.' -.C9 -.)' ('' +'-1'(7.' ,.-+.0(' '-/('-' 907'
/'0'9-*.' '+' *(9)4' &,96)' 7/;.' 0'--.*,'3).)' ('' '9(' 0'30.,('3'
'+' /' 6 2.-/6' .)90/('3'/ 1 3:' -/(7.-' /(' (7.' (7'-'9:7') *0 ,>
6 3.' '+' (7.' 1 3)' (7/3' /(' /' 3/--'&' *,.0 /6' (-/ 3 3: '6 1 (.)'24'
(7/(' 0-/**' /3)' ,9-26 3)' 9(6 (/- /3 *1' &7 07' 3' '9-' '&3')/4'
(7-./(.3*' (''' '2*09-.' (7.' +93)/1.3(/6').*' '+' .)90/('3'
7.' =-/1 1/-' '+' (7.' '1/3' *07''6*' 1 :7(' 0'30. ;/264' 7/;.'
2..3' .36/-:.)' /3)').;.6',.)' 3('' *907' /' 2-/0 3:') *0 ,6 3.'
2/*.)<' '3' -./6' 83'&6.):.' /3)' 3*, -.)' 24' /3').*/6' '+'
,-':-.**F 29(' 93+'-(93/(.64' (' &/*' 3' ,-/0(0.' 3*.,/-/264'
/**'0 /(.)' & (7' (7.' -./) 3:' /3)' 3(.-,-.(/('3' '+' d 0.-(/ 3'
3912.-' '+' /9(7'-*' &7'' 7/)' 2..3' 0/3'3 *.)' 24' (7.' %9):1.3('
'+'(1.' 3'&6.):.' &/*' 3'(' ,9-*9.)' '-' 1,F-(.)'+'-' (*' '&3'
/8.' 29(' /' /' 1./3*' '+' 669*(-/(3:' (7.' */0-.)' (.5(*' 7)'
,9, 6<*' :/O.' &/*' ,.-,.(9/664' (9-3.)' 2/08&/-)*' (''(7.' 1/*(.->
,.0.*' '+' /30 .3(' & *)'1' (''' &7'*.') ; 3.' .50.66.30.' /66' (7.'
(-./*9-.*' '+' .-9) ('3' /3)' *0 .30.' &.-.' '++.-.)' /*' /' */0-+0 /6'
(-29(.' 7.' (./07.-' 1 :7(' 3)96:.' '00/* '3/664' 3') ;/:/>
('3*' /3)' --.6.;/3(') *C9 * ('3*' 29(' 7.' &/*' -./664' 07/ 3.)' ('
(7.' /9(7'-' &7'1' (' &/*' 7 *' 29* 3.**' ('' 3(.-,-.(' (' 0/3'
7/-)64' 2.' &'3).-.)' /(' (7/(' (7.' +930('3' '+' (7.' :-/1 1/- /3'
2.*).*' 7/;3:' /' *(.-6 * 3:' .++.0(' '3' (7.' (./07.-<*' 1 3)' */38'
3' -.,9(.' /3)' 2.0/1.' /' 1.-.')-66' ,-.,/-/('-4' ('' (7.' 2-66 /3('
.5.-0 *.*' '+' (7.' -7.('-0/6' *07''6$' (' *' (-9.' 3)..)' (7/('
(./07.-*' '+' -7.('-0' 7/)' '+(.3' *.-;.)' /3' /,,-.3(0.*7,' /*'
:-/1 1/- /3*F 29(' (7.' -*.' &/*'-.:/-).)' /*' /' :-./(' 1,-';.>
1.3(' 3' (7.-' ,'* ('3' /3)' (7/(' 3'(' 1.-.64' 3' 30'1.' 29(' 3'
'0/6' -/38' 3' (6.')/4''3' &7 07' 9*'3 9*' 3(-')90.)' 7*'
1,.-/6',9, 6'('' (7.'*(9)4''+' -7.('-0'7.'-.0. ;.)' (7.'7'3'9-'
'+' /' '93(' '+' (7.' 1,-.N' -'2/264' +/-' 1'-.' (7'-'9:7'
83'&6.):.' &/*' 3..).)' (''1/8.' /' :''')' :-/1 1/- /3' (7/3'('
1/8.' /' ,',96/-' -7.('-0/3' '-' 0/3' (' 2.' */)' (7/(' 6.**

' QK)L ?' N M' @PD@ ?' ?OQC' DC' Q'
,P ?' @?@' CDND F)) ?' C?E' @?) ?' D'
V ?) ?' ' ' QK)L ?')Q DN' DC' Q)QC'
4E ?' FDL ?' F D)D' L' ' '"
W[' ' :Q @ F' ' " ' '
FO' _' RQ)D' b) DC*' L) N' LQN' CD' @?@'
C D@EQ@' @' E LD@E?' @DL' O ? D Q@' '
N')ND@' ?L?QF)N' CQPPD Q@' D'
)L)D' RQ?RQ)' CD@ Q@ Q' $
' %F D D') D' CD D)F C@DD C')' P)N

@) Q' @' 1)L ?K QC' L' ' , ' ' AA' GA'
7Q' QD' O' 6 ' " , ' C)TC'
D L DC' P)NN) L' D' F D ? L)N' E?LD'
K)@' , @E' @' :Q @ F)@ C' ND' MD'
P)NN))@' #)C' D@L ?)LM @P' ?@' MD'
O ? @LD' ?' MD' MD ? ' ? ' ,
F' G' <
' ,@C?@' ? O ' A' GG' ?' P)E'QC'
@?N @D'L?N C'O ?O D' Q)' Q? DND@)'
L?@PDC

/ 2 6 (4' *' -.C9 -.)' (' ' 3(.-,-.(' ,-', .-64' /' 07'-9*' '+' .*07469*' '-' ('' (-/08' (7.'). 0/(.' /669* '3*' '+' -: 6' (7/3' (' ')-.**' 9,' (7.' ,'1,'9*' 2/3/6 (.*' &7 07' /-.' (7.' *('08 3 (-/).' '+' (7.' ,',96/-' *,./8.-' '+' /66' /:.*' (' *' '364' (7.' 7 6 *(3.' &7'' & 66').,-.0 /(.' (7.' *41,/(7.(0' (/0(' &7 07' *' 3.0.**/-4' ('' .690)/(.' (7.' '+(.3' 14*(.- '9*' 9((.-/30.*' '+'/3' '- : 3/6' :.3 9*' 2.6'3: 3:' (' /3' /:.' -.1';.)' +-'1' '9-' '&3' 24' (1.' /3)' 0'93(6.**' /**'0 /('3*' .(' 3' /0(9/6' +/0(' (7/(' ,-'+.** '3' '-' *(9)4' & 66' /6&/4*' 2.' 2.((.-',/)' /9)' 7.6)' 3' 7 :7.-' 7'3'9-' &7 07' /0(*') -.0(64' '3' 1.3' /3)' ,-')90.*' -.*96(*' &7 07' (7.' 1/**' '+' 1.3' 0/3' +..6' /3)' *..' +'-' (7.1*.6;.*' 7.' ,''-' :-/11/-/3' '+' E'-)./95' 1/4' 7/;.' '+(.3' 2..3' (7.' 1'-.' : +(.)' /3)' 6./-3.)' 1/3' 29(' (' &/*' (7.' -7.('-' &7'' &/*' *911'3.)' ('' (7.' '9-(' /3)' 1/).' ,-.+.0(' '+' /' ,-'; 30.

(' *') ++ 096(' +'-' /3' /:.' 39-(9-.)' '7' .5/0(' 7 *('-4' /3)' *0 .30.' /3)' ; ;)64' 3(.-.*(.)' 3' ,9260' /++/ -*' ('' 93).-*(/3)' (7.' /61'*(' 74*(.- 0/6' .50 (.1.3(' &7 07' (7.' (3.-/3(' ,-'+.**'-' '+'-7.('- 0' 0'96)' .50 (.' 3' (7.' *.0'3)' '-' 3' (7.' +'9-(7' 0.3(9-4' +' 7.' &/*' /' 1/3' '+' -.,9(/('3' 3' 7 *' /-(' ,.',6.' -9*7.)' (' 7./-' 7 1').06/ 1' /*' (7.4' & 66')'' 3' '9-' (1.*' (' 7./-' /' :-./(' * 3:.-' '-' /0('-' '-' ,',96/-' ,-./07.-' -'; 30/6' :';.-3'-*' '3' /' ,-':-.**' (7-'9:7' (7.-' ,-'; 30.' &'96)' -.6.;.' (7.' (.) 91' '+' '++0/6')9(.*' 24' 0'11/3) 3:' /') *,6/4' '+' &'-) +.30.' '-').06/1/('3' 24' *907' /' 1/*(.-' /*' -'/.-.* 9*' -.&/-)' 7 1' & (7' (7.' 1'*(' .0*(/((0' /,,6/9*.' /3)' 0'3)90(' 7 1' 7'1.' 3' *(/(.' /+(.-' (7.' ,.-+'-1/30.' ' 1/3' 6 8.' 2/3 9*' /**'0 /(.)' '3' .C9/6' (.-1*' & (7' (7.' 7 :7.*(' 0 ; 0') :3 (/-.*' 3' (7.' 6/*(' 4./-*' '+' (7.' +'9-(7' 0.3(9-4' /(' /' (1.' '+' :-./(' .;.3(*' /3)' 1'1.3('9*' 07/3:.*' 411/079*' &7.3' &-(3:' (' 9*'3 9*$' + 3)*' (7.' '364' 3(.-.*(3:' *92%.0(' /(' 7/3)' (' 2.' /' -7.('-0/6') *,6/4' &7 07' /' -7.('-0 /3' 3/1.)' /66/) 9*' 7/)' %9*(' : ;.3' /(' /'+/*7 '3/26.' :/(7.-3:F /3)' &'-)*' /61'*(' +/ 6' (' '.5,-.**' (7.' /) 1 -/('3' '+' (7/(' '-) 3/-64' 0/61' /3)') :3 + .)' *.3/('-' +'-' (7.' ,.-+'-1/30.' (' *' * 3:96/-' (7/(' /' 1/3' &7'' 0'96)' 7 1*.6+' *,./8' & (7' :-./(' .++.0(' '3' /' *.- '9*' '00/* '3' 3' (7.' .3/(.' '-' 2.+'-.' (7.' 1,.-'-'*7'96)' 2.' *'' 0/-- .)' /&/4' 24' /3' 93-./6' .57 2 ('3' '+' *07'' '6' -7.('-0' E9(' (7.' +/0(' -.1/3*

' .Q@)O' 0.- ' G <' G B' 7? C' C?@)ED C' DE
' TN')5' ' G<' RQ?@)N' EDD)@

E P@)' NDN?) Q' ' ' ' DNO?C D' 5)F' F)E ' ?C ' EDLF) N) ?')QU 'O)P @)N' ND)N

(7/('(7*',&.-''+'9*3:'&'-)*'+'-'1.-',6./*9-/26.'.++.0('
(7.'1'*('(-;/6'-'(7.'1'*('.5(-/;/:/3(64'/2*9-)'(7.1.*'&/*'
+'-'1/34'/:.*'3'2'(7'.*('/3)'/*('.*(..1.)'(7.'7:7.*('
,-''+'(/6.3('/3)'096(;/('3$'7.'*(9).3('+'-7.('-0'3'
(7.'++(7'0.3(9-4'0'96)'*/4'&(7'.;.3'1'-.'(-9(7'(7/3'
.3.0/''3';(/.'*.)'*07'6/.')*0 19*R'$

7.'(.-1'-7.('-0'/*/,,6.)'('(7.'7:7.-'0'9-*.''+'
3*(-90('3'3'(7.'1/3'*07''6*'*'+'-'9-',.-')'/('6./*('
,.-7/,*'-/(7.-'1*6./)3:'('/'1').-3'-./).-'7.'-7.('-0/6'
(-/3 3:''+'+-..'1.'7/)'2..3'/'3.0.**(4''+',926 0'6+.'&7.3'
(7.',&.-''+'*,..07'3'6/&'0'9-(*'-',,96/-'/**.126.*'&/*'/'
:-./('6(0/6'.3:3.'3)'3'(7.'&'-8''+'/-(/39*'/,./'
&7 07'&/*'('2.'(7.'(.5(2''8''+'(7.'))6.':.*'-7.('-0'
'(66'(-./(.)'/*'+'(7.'*(9).3('&.-./'0'3(.1,'-/-4'''+'
0.-'N'66'(7-'9:7'(7.'+;.'0.3(9-.*''+'(7.'1,-.')9-3:'
&7 07'-/('-4'7/)'/61''*('0./*.)'('7/;.'/34',-/0(0/6'
,'&.-'(7.'1/3*07''6*'1/3(/3.)'(7.'(-/)('3'&7 07'7/)'
2..3'+'93).)'24'-/5'/3)'*/$'/3)'&7 07'7/)',-')90.)'
907'(-91,7''+',-/0(0/6'-/('-4'/('1.'3'0.-''/3)'
'-(.3*9*'7.'6)'(7.'-.*''+'(7.',-',.-);*'3*''+'/'
)*0'9*.''+'(7.';/-.(.*''+'*(46.'/)/,(.)'('(7.'1/((.-''+'
(7.'+:9-.*''+'*,..07N''+'(7.'-74(71'/3)'(7.',-'*')4''+'(7.'
.3(.30.''+'(7.'1/3/:.1.3('+';'0.'/3)':.(9-.'&.-.'(/9:7('
/*'0/-.+9664'93).-''1969*'9:9*(969*'/*'(7.4'&.-.'&7.3'
-7.('-0'&/*'/,-/0(0/6'/-('3)'(7.'/0(9/6'(-/33:''+'(7.'
-7.('-<*'06/**-''1'-.1/3.)'(7.*/1./6*''7.':-/11/-/3'
+'93).)'7*'(./07 3:''3'(7.-./)3:''+'/3'/9(7'-'7.'-7.('-'
096(;/(.)'7*'06/**'24').2/(.''-').06/1/('3''3'/',-.*0-2.)'
(7.**N'7.'*92%.0(*'*.('('669*(-/(./3)'096(;/(.'.;.-4'
,.0.*''+'*(46.'&.-.'7*('-0/6'14(7'6':0/6''-',9-.64'+/30>
+96'/3)'93-./6$'*'(1.'&.3('3'(7.'3:.39(4''+'(7.'
26/*(.-'&/*'1'-.'/3)'1'-.'(/5.)'('',-';).'*(196/(3:'(7.1.*

'9?'')'ED D@LD'?'MC')CD'CDD'
)ODC'7!'83''.''
O'H_'HH
$?@'85'G[B'GA
$1)')O''A_
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2'(7' 7/)' /' (-/:0' .3) N

E9(',/3.:4-0' &/*' 3'(' '++.-.)' ('' (7.' .1,.-'-*' '364' 7.'
1.12.-*' '+'.;.-4' 6(.-/-4' O6 C9.' 29-3(' 30.3*.' ('' '3.' /3'(7.-'
/3)' 2'(7' *.096/-' /3)' 7-*(/3' 6(.-/(9-.' /-.' (/3(.)' & (7'
(7.' ;0.' '+' :-'**' /3)' 3* 30.-.' /)96/('3 N' (' *') ++ 096(' ('
93).-*(/3)' 7'&' 1.3' '+(.3' '+' :-./(' (/6.3(' /3)' /6&/4*' &).64'
-./)' 3' (7.' -./664' :-./(' /9(7'-*' '+' =-..0.' /3)' '1.' 0'96)'
6/;*7' '3' *'1.' ;.-* +4 3:' +-.3)' &7'1' (7.' :-./(' %9):.' 7/*'
0'3).13.)' ('' '26;'3' .,(7.(*' '+' /)1 -/('3' &7 07' /' *'2.-'
0-(0*1' &'96)' 7/-)64' /,,64' ('' -:6' '-' 3)/-M' .' /-.'
/009*('1.)' ('' -.:/-)' /*' ,-';30 /6' (7.' 7/2 (' '+' -.086.**' /3)'
.5(-/;/:/3(' '.96':4' '+' 0'11'3,6/0.' ,.-+'-1/30.' E9(' (7.'
:-./(.*(' '++.3).-*' 3' (7.' +'9-(7' /3)' +(7' 0.3(9-.*' &.-.' 1.3'
'+' (7.' &'-6)' /*' &.66' /*' (-/3.)' *07'6/-*' .(' 3.(7.-' (6.-'
83'&6.):.' '+' 1.3' 3'-' '+' 2'' 8*' 7/)' :;.3' (7.1' (7.*/3(4' (7.'
.3.' '+',-','-('3'(7.') *0-1 3/(3:'(/0(' '+':.39 3.'0-(0*1'
7/(' /' 0-'&)' '+' O6.;.-' 1.3' 0/-.+9664' (-/3.)' 3' 6(.-/(9-.' /3)'
1/34' '+' (7.1') .;'(3:'/':-./(').6' '+' (7.-' (1.' ('' (*' 096(;/>
('3'*7'96)' 2.' *'' &/3(3:'.(7.-' 3' *30.-(4' '-' 3' 6(.-/-4

' ,O?FF' E' (, ' 'G<B' XX
' 1' 'BAG'
O ?'K @D'DP?'4DN@?@)' N C
'9 @E' UY' 'G<[
' @' MD' FD D C' ?' E?@ QC' O ?K)KFT'
MD' P ?CCDC' CODL ND@C' ?' M C' C? ' ?'
F) D T') D' 'H' 'G[' GG GH' U
H' U'_' @?@' DU) ')E' O)DCD@C' '
M?N @ C' ?) ?' RQ)N' OD)' Q)' @?@'
C @D' F)K? D')@CP DE' R@D) ')L' CQOD '

)ED D' b)EE DCCDE' ?' ' /DN "' '
9)QC' 5' ' U ' ' /Q ?')5' ' '
W' 'GH
' %MD' DU)NOFDC'>?' M C' F) D T') D'
??' DRQD@' ?' KD' RQ? DE' ,C')
CODL ND@' L' MD' DU))P)@' DQF?PT'
?'3)NO E QC'?'7? ED)QU'b,O?F3' E
%5' 'GG"'?' MD' PF? L) ?@'?' MD
F D) T' L LFD') ' -) K?@@D' I(,
UU "

.3. *' /' 1'*(' *(/-(6 3:' ,7.3'1.3'3' 7.' 0/9*.*' '+' (' /-.' ('' 7.' *'9:7(' ,/-(64' 3' (7.' &/3(' '+' /' 0/-..-' +'-' .3.-:4' /3)' /12 ('3' /3)' ,/-(64' 3' (7.' .5/::.-/(.)' 1,'-(/30.' /(((/07.)' ('' 1.-.' *(46.' /,/-(' +-'1')./*' /3)' 1/((.-' 7.' /12 ('9*' *.3/('-'0'3*0 '9*' '+':-./(',&.-*'7/)' 3''+.6)' +'-' (7. -') *,6/4' .50.,(' (7/(' '+' 6 (.-/-4' 0'1,'*('3' .' 0'96)' 3'(' & 3' +/1.' /*' /' *'6) .-' '-' /*' /' *(/(.*1/3F /3)' 7.' (- .)' ('' */(' *+4' 7 *' 0-/; 3:'+'-' (' 24' 1 (/('3*' '+' -: 6' '-' (/(9*' '-'24'09-'9*64' .6/2'-/(.)' ., *(6.*' ('' & 3' (7.' /,,6/9*.' '+' ,'*(.-(4$' .' 1 :7('7/;.'6 ((6.'-./6'83'($).):.'/3)'6.**'+.-(6(4'/3)' '-:3/6(4' '+' (7'9:7(F 29(' 7 *' ./-64' (-/3 3:' 7/)' :;.3' 7 1' /'+/0 6(4' '+' .5,-.** '3' '-' 1 (/('3' &7 07' *..1.)' ('' (-91,7' ';.-' (7.' 1./:-.3.**' '+' /34' *92%.0(M$' ;3:' 3'06'*.' 3(1/04' & (7'1.3' 1'96).)' 24' (7.'*/1.',' &.-+96' (-/) ('3'/3)' 0'3).13.)' ('' (7.' */1.' *(.-6.' 6+.' /*' 7 1*.6+' (7.' 1/3' &7'' 1 :7(' 3' '(7.-')/4*' 7/;.' 0'11/3).)' /-1 .*' '-' 0'1,'*.)' /' :-./(' 7 *('-4'+- ((.-.)' /&/4' 7 *' (/6.3(*' '3' +9: (;.,.0.*' 0/*(' 3' (7.' 0'3;.3('3/6' 1'96)' /3)' &/*' 6.)' 24' (7.' /,,6/9*.' '+' /' 06 C9.' 3('' 1/: 3 3:' 7 1*.6+' '3.' '+' (7.' 1 1'-(/6*' 00/*'3/664' 4'9' 1/4' +3)' /' 1/3' 6 8.' 4 1 1/079*' &7'' 7/*' +'-1.)' /' (-9.' .*(1/(.' '+' 7 *' '&3',';.-(4' '+' 3(.66.0(4.('(7 *' 1/8.*' 7 1' /66' (7.' 1'-.' ./-3.*(' 3' (7.' 096(;/('3' '+' 1.-.' *(46.F /3)' 7'&.;.-' 1')*(' /2'9(' 7 *' '&3',' &.-*' 7.' 1/4' 2.' 7.' & 66' 2.' 0/,/26.' '+',6/0 3:' (7.' %0 ' '+' 9*'3 9*' 3' (7.' */1.' -/38' /*' (7.' ,'.1*' '+' -: 6M' '' %9):.' 24' (7.' 6.((.-*' '+')'3 9*' (7.' 0-'&)' '+' 6(.-/-4' ,.',6.' 3' '9(7.-3' =/96' 19*(' 7/;.' 2..3' .3'-1'9*' /3)' '+'/66' (7.-' ,-')90('3*' 7/-)64' /' +-/:1.3(' 7/*' 0'1.')'&3' ('' 9*' .(' /1'3:'(7.*.' '2*09-.' /3)' +'-:'((.3' ,'.(/*(.-*' /3)').06/ 1.-*' /' 0'3*).-/26.' 3912.-' /-.' -.,-.*.3(.)' 3'(' '364' /*' .C9/6' '-' .;.3' *9,.-' '-'('*'1.':-./(' 1/*(.-'29(' /*' /0(9/664'24' /' 1 -/06.' '+';.1/(6(4' 0'123 3:' (7.' ;/-.)' :.39*' '+' (7.1

' ,O?FF' E')5 ' G G'O)DL O C ' @' C' RQ)D' DO ? ?F)D' O)QF?' O?F ? DC'))' ?LL)C ?@D' FQUD Q@' ?N@DC' D')L) C' DUDNOF) KQC' D@QLFD) CRQD' Q@?' %?FQN @D' @LFQE) Q' ' ? ' GB \' %M C' C' DUO DCCDE')@SFT' KT' X E?@ QC' NB5' ' G["' @)N' N? C' DC' DF?RQD@ KQC' C' @PD@ ? QN')LQF') DN' @LP? ? QN' O ?K) D' E LQFF)' KQC' D' F&? C F N' OD Q)' RQ)C' FQD@E)N' DLQ E' ODL ? C' ?ND DN' PD D' QK' N) D)D'C D F C) P Y D@ QN' DFQ') E)' L)DCO C' N)L ' PF)DK) YDYQ@) ' L ' MD' C)ND' ED)' @' /Q L')5' ' C LQ ' @' YDYQ@?') R@D' ? ?C?' L)DCO D' N)P C' C DQQ)C' LN ? C')O' O) D ' D L A TN')5' ' A ' AH ' 1' ' G ')' E ' ND' O ?K)K FD@' O)LC D@ Q' DP?' M?L' N N' L) ND@' F K C' 1) ?@ C')EYQ@P?' ,QC?@ QC' N? D' M)@' D Q @C' MD' L?NOF ND@' @')5' U ' RQ C')' E' D@ MT)DN))' 8DN?C MD@ C' ')Q' ?OQFD@)N' %QFF)@)N')Q 'O ?O D') DN' @?C ' V F) ?@ C')LLDE) 'Z L ')5' U U' 5)QF @?

/66' 7.-.' *' /' ,'.1' '+')'3 9*' /))-.**.)' ('' '3*.3(9* $'
e(096(;/(.)' 1/:3/(.' '+' /-2'33.' &7 07' +'-' *7..-' 6/&6.**'
-.086.**3.**' '+' +6/((.-4' 0'96)' ,-'2/264' 3'(' 2.' 1/(07.)'
/:39*' (7.' +/(7.-' '+' '3*.3(9*' *' 0'1,/-.)' & (7' .;.-4'
:-./(' 3/1.' 3' =-..8' '-' '1/3' 6(.-/(9-.' 7/6.*' &.' /-.'
('6)' /3)' (7.' & *.' 1.3' '+' =-..0.' 1 :7(' 7/;.' 6*(.3.)' ('
(7.' & *)'1' '+' /:39*' & (7' /1/O.1.3($' 3':.'1.(-4' 906)'
&'96)' 7/;.' 7/)') ++ 096(4' 3' +'66'& 3:' 3' 7 *' (-/08' 3'
19* 0' (7.' 2/-)' '+' 7-/0.' '-' 7'.29*' 7 1*.6+' &'96)' 7/;.'
('' 4 .6)' 7 1' (7.' ,/61' 3')-/1/(0'0'1,.(('3' ',7'06.*'
9-,).*' /3)' .3/3).-' &'96)' ;/ 364' 0'3(.3)' & (7' 7 1'
'1.-' /3)' .-')'(9*'/:/ 3*(' *907' /'-;/6' &'96)' 7/-)64' 8..,'
(7.-',-).' '+',6/0. N' 7.' 6'3:' 6 3.' '+' /(3' /9(7'-*' +-'1'
6/9(9*' ('' /-(/6' &'96)' +/-.' 3'' 2.((.-'(7/3'(7.' =-..8*' 3.'
' /61'(' /*7/1.)' ('' (-/3*0-2.'(7.*.' /2*9-)(.*' /-)64' 6.**'
'9(-/:.'9*' *'(7.'/)96/('3'/))-.**.)' ('' /1.-(9*' 6/9) /39*'
&7'' 7/)').) 0/(.)' 7 *' &'-8' F ' ', -' ,' (''')'3 9*'
(' *') ++ 096(' ('' 2.6 .;.' (7/(' (7.' &-(.-' '+' *907' /' 6.((.-' 0'96)'
7/;.'-./)' '-' 93).-*('')' (7.' (-./(*.' .-(/ 364' &.-.' *907'
0'1,6 1.3(*' '++.-.)' (''' /' ,7 6'*',7 0' &-(.-' '+' '9-' (1.'
(7.4' &'96)' 2.'-.:/-).)' /*' /3' 3*96(' '-' /' 2/)' %'8.' '(' /'
&'-)' *' */)' '+'(7.'(7.'-4' '+'(7.'*'96').;.6',.)' 24' 6/9) /39*'
E9(' 7.' *' ,-/*.)' 3' (7.' 1'*(' 74,.-2'6 0/6' /3)' /2*9-)'
+/*7 '3'+'-'7 *' .3)6.**' 2./9(.*' '+' *(46.' /3)' +'-' /3' /2*'69(.64'
--.0'30 6/26.') ;.-* (4' '+': +(* M' 3'/'*.;.-.'/3)'7./;4') *C9 *>
('3''3'/'7 :764' /2*(-/0(' *92%.0(')'3 9*' + 3)*' /66' (7.';/-.)'
,'&.-'-',.096 /-'07/-1''+' -,7.9*' /3)' -07 1.).*''+' 6/('
/3)' (-9; 9*''+' 4(7/:'-/*' /3)' .1'*(7.3.*''+' '-(.3* 9*'
/3)' /2 9*' 930(/('-' /(''/3)' /.*/-'/3)'/66'(7.'*,.0 /6': +(*'
3'0'3(-';.-*4''+'(7.' 7-*(/3'+/(7.-*' (' *' /*') ++ 096(' ('
0'30.;.'(7.';/3(4'&7 07' 0'96)' /00.,(' *907' +6/((.-4'/*' (7.'
,.)/3(0' 2/)' (/*(.'&7 07' 0'96)' '++.-' (' 7.'(-9(7'*..1*' ('
2.'(7/(' /66' (7.':-./(' 3/1.*' +/1 6/-' 3' (7.' *07''6*' &.-.' 24'
/').,-/;.)' 1/33.-*1' .1,6'4.)' %9*(' /*' (7.' 1/07 3.-4' '+'
.5,6').)' 14(7'6':4' &/*' .1,6'4.)' '3' /66' 00/*'3*' ('' :;.'
+/6*.') :3 (4'('' /'0'1 1'3,6/0.'(7.1.' 7.'3/1.*''+':')*'/3)'
(7.'3/1.*''+' :-./(',.(*'-',7 6'*',7.-*'&.-.'*(/:.,-',.-(.*

' ,O?F3' E'(, 'UU '

' 1'UU 'G[G

$ 1'UU 'GW''
O @?C U O? D)@'F?L?7'4 D '
? ' W &@ ?4? QC ? QNC &?ND Q7'
' ,O?FF' E')5' 'W

7/3).)' '3' (7-'9:7' (7.' *07''6' (-/) ('3' +-' 1' '3.' :.3.-/('3' ('' /3'(7.-' +' 4'9' &/3(.)' (''.5,-.**' /)1 -/('3' +'-' /34(7 3:'-' /342')4'(7.' *07''61/*(.-'7/)',-';).)' (7.'0'--.0(' 0'3;.3('3/6' +'-1*' 3' &7 07' (7.' .96': 91' *7'96)' 2.').6 ;.-.)' 7.' :')*' &.-.' 3'' 6'3:.-' 2.7.;.)' 3F ,-'2/264' *'1.' '+' (7.' /9(7'-*' -.+.--.)' ('' &.-.' 3''6'3:.-' '-' 3'(' '+(.3' -./)' E9(' 096(9-.' &/*' /' &'-*7 ,' '+' (7.' 1').6*' '+' (7.' ,/:/3' ,/*(' /'0'3;.3('3/6') *' 0 ,73.' &. :7 3:' '3' (7.' 791/3' 1 3)' & (7' (7.' ';.-&7.61 3:' /9(7'-(4' '+' /' (7'9*/3)' 4./-*' '+' 932-'8.3' (-/) ('3' 7.' 06/** 0/6' 3*, -/('3' &/*' *'') ; 3.' (7/(' /66' (*' +'-1*' '+' .5,-.*> * '3' (7.' 1.-.' 3/1.*' '+' (*' :-./(' /).,(*' &.-.' 0'3*.0-/(.)' +'-' .;.-' /*(7.' *412'6*' '+' /3'93/,,-'/07/26.',.-+.0('3')'3 9*' 24' -./*'3' '+' 7 *' 930'3*0 '9*' 2/-2/-*1*' /3)' ,.-;.-*.' 0'3('-> ('3*' /3)' 3:.39 (.*' *' -.1';.)' 00' ., 0' +-'1' 0.-'' +-'1' 6 34' .;.3' +-'1' 411/079*' .(')'3 9*' *' ,-/*.)' 24' /1.-(9*' 6/9) /39*' /*' (7.' Q'-.*('-.-' '+' /30 .3(' .6'C9.30. '$ /3)' 7.' -.:/-).)' 7 1*.6+' /*' &-(3:' 3' /3'93/)'-9.)' /3)' * 1,6.' *(46. M' (' *' (7 *' &'-*7 ,' '+' ,/*(' .50.66.30.' /3)' 930-(0/6' %9):1.3(' '+' &7/(' 7/*' 2..3' +'-1.)' 24' 3.,(' 1 (//('3' '+' (7.' ,/*(' &7 07' *' (7.' 1''*(' 09-'9*' 07/-/0(.-*(0' '+' +(7' 0.3(9-4' 6(.-/(9-.' 7.-.' 3.;.-' &/*' /3' /:.' &7 07' &/*' /(' '30.' *'').;'(.)' (''(7.' 096(;/('3' '+' 1.-.' *(46.' /3)' &7 07' +.66' *'' +/-' *7'-(' '+' (7.').6*

7.' +/ (7' 3' (7.' ,'&.-' '+' 1.-.' &'-)*' *8 6+9664' 9*.)' /00'-) 3:' (''(7.' -96.*''+' /30 .3(' .5,.-.30.' &/*' (7.' 6(.-/-4' +/ (7' '+' (7/(' /:.' 3)' (7.' /12('3' (''*9-;;.' (7.' &-.08' '+' (1.' /*' /'1/*(.-' '+' *(9) .)' /3)' (.66 3:' ,7-/*.' *' ,-'2/264' (*' 7 :7.*(' /12('3' ;.3' /' :-./(' */3(' /3)' /*0.(0' 6 8.' B.-'1.' ,.3.(-/(.)' +' /34' 1/3' .;.-' &/*' &(7' (7.' (7'9:7(' '+' (7.' 3'(7 3:3.**' '+' /66' ./-(764' :6'-4' 3' (7.' ; .&' '+' (7.' *'6.13' -./6(.*' '+' (7.' 6+.' (''0'1.' 0/33'(' *7/8.' '++' (7.' ,/**'3' 3*, -.)' 24' 1.1'-.*' '+' (7.' 06/**-''1' '+' '3/(9*' (''6;.' 3(7.' /)1 -/('3' '+' 0'1 3:' /:.*' .' 0'3069).*' 7 *' +/1'9*' 0'3*'6/('3' ('' /96/N' '3' (7.').)/(7' '+' 7.-')/9:7(.-

' D D)' DO)) ?'?F?RQD)?' DD' MD'EDE L) ?@'?' MD' D) CD' '' , '

\' $5' ' GB' @?C' ?OQCLQF)' CD N?@?' ?@E E NQC') E?' DU F ' ?D D' N)U N)' DU' O) D' QFP) ?' b? ' T)' $5' ' H<"' &D' L?@)C C' M C' C NOF L T' # M')')CM?Q)KFD')C D' ? * D K)')F))

DF' KTFF @)' ?F')K @ C')KQCb`QD' F ' K C' @LQ)' I$5' ' G[" L ' ,QC?@' $ 09'6- ' UU ' ?')'C N F) ')C D ' & D ?@' $5' WI' e_' R@?LQ@RQD' CD ' N?@ C' @?C ' N?@QN?@)' O? D@D @ ' F)' LQN' ND C' ?OQCLQF C' OD DP @)K Q ' ' ' ' 7 D C')D' CO) QN')D D @)' @DN?)' L?NOD@C)K

E6/.* 66/' & (7' &'-)*' &7 06' *7'&' 7'&'6 ((6.' (7.' *'6/('3' /3)' *.6+) *0 ,6 3.'<' '+' (7.' 0. ' /(' E.(76.7.1' 7/)' ,-.;/6.)' ('' .5(3:9 *7' (7.' ,/** '3' +'-' 6(.-/-4' +/1.' 7.' 3/1.' '+' E6/.* 66/' 7.' */4*' & 66' (-/;.6' .;.-4&7.-.' & (7' (7.' &'-8*' '+' B.-'1.' /3)' & 66' 7/;.' /3' 1 1'-(/6 (4' 6 8.' (7.-*' 3' (7.').//(7' '+' /96/' B.-'1.' &-'(.' /'6'3:' /3)' .3(79* /*(0' 3/--/(;.' '+' /' 6 +.' &7 07' &/*' .;.3' 3' (7/(' /:.' -.1/-8/26.' +'-' /2*'69(.' *.6+ -.3930 /('3' /3)' /2/3)'31.3(' '+' &'-6)64' -/38' /3)' &./6(7 $' 7.' ,/** '3/(.' * 30.-(4' '+' B.-'1.' *' .;).3(' 3' .;.-4' 6 3.' '+' /' ,.0.' &7 07' *' +966' '+' (7.' -'1/30.' '+' /*0.(0*1' .(' 7.' 0/33'(' /(' (7.' 06'*.' -.+-/3' +-'1' -.0'-)3:' (7.' +/0(' (7/(' 7.' 0'1,'*.)' (' 3' (&'' *7'-(' * ((3:*' & (7'9(' /34' /((.1,(' /(' .6.:/30.' '+' *(46. N' & 7 6.' 7.' 7/*' /' ,.-+.0(' 0'3+).30.' (7/(' 7.' 7/*' 6.+(' /' 1'391.3(' '+' /96/' &7 07' 3'' 6.3:(7' '+' (1.' & 66' .;.-' .++/0. N' .' *7'96)' 2.' :9 6(4' '+' 3'' 3%9*(0.' ('')'3 9*' 3' (7 38 3:' (7/(' 7.' -/(.)' 7 *' '&3' 0'1,'*('3*' C9 (.' /*' 7 :7' /*' 7.'))' (7'*.' '+' /1.-(9*' 6/9) /39*' '-' /1,-) 9*' .' 0.-(/ 364' 1/8.*' 3'' *.0-.(' '+' (7.' +/0(' (7/(' 7 *' 6.((.-*' &.-.' -./664' 3(.3).)' +'-' (7.' +9(9-.M' /3)' (7/(' 7.' *' /35 '9*' /2'9(' 7 *' +/(.' '3' &7/(' 7.' 0/66*' (7.' Q *./' '+' +/1.R' 3)' (7/(' 7.' (7 38*' 7 *' +/(.'').,.3)*' .3(-.64' '3' 7 *' *(46.' *' 06./-' +-'1' (7.' 6.((.-'/))-.**.)'('' '3*(/3(9*'('' &7'1'(7.' &'-8' &/*' .3(-9*(.)' .').*0-2.*' (' /*' 1/-8.)' 24' Q',/:/3/' * 1,6 0 (/*R' *'') ++.-.3(' +-'1' (7.' /++.0(.)' /-07/ 0' *(46.' 1 ').66.)' '3' /6 /-/3' '-' 2466 3.' ;.-*.*' &7 07' &'96)' 3..)' *'1.' ,-.*(' '+' (7.' /30.3(')/4*' ('' 3(.-,-.(' .(')'3 9*' *' 3'(7 3:' +' 7.' *' 3'(' /' *(46 *(' .' 83'&' (7/(' 7.' 0/-.+9664' -.;*.)' 7 *' 6.((.-*' 2.+'-.' ,926 *7 3:' (7.1' /3)' (7/(' 7.' /*8.)' 7 *' +-.3)*' ('' 7.6,' 7 1' 3' : ; 3:' (7.1' (7.' + 3/6',' 6 *7 N

(' *') ++ 096(' 3)..)' +'-' 9*' & (7' '9-'*.;.-.-').//*' '+' (-9(7' ('' 93).-*(/3)' (7.' .30'1 91*' &7 07' &.-.' 6/;*7.)' 24' 7 *' 0'3(.1,'-/-.*' '3' (7.' ,'.1*' /3)' 6.((.-*' '+')'3 9*N' (' *

' & D ?@' B5' G[H' e' W[' DC C' DC' VDCQC' F D' Q@QN' RQ ED @' @QNNQN')K' D)' F)D' ED DF L QN

' _B' e' HA' MQ@?' K' F K QN')E' EQ)C' FQLQK) Q@LQF)C' E L) ' QQED' ? ' @LQF)' ?) ?' ' '

$ _B' e' WA' RQ?E' @QFF)' EDC ND D' O?CC ' D QC)C

' ,O?FF' E' Y ' ' G ' L ' ' G

' _B' ' G' ?N@ KQC' L)D) C' DU DNOF) KQC' D@QLFD) CRQD' %MD' FD D C' #D D' OQK F CMDE' @' ?Q ' DF)TC' ' b '" KS' ') ' MD' @C)@LD' ? ' ?@C)@ QC' ' b '" KSC' ' ' ' EDE L) DE' ?' MD' C)ND' D@E' ' bW'" KS' ') ' MD' DRQDC' ? ' 5D ?@ QC' ? ' , FDC' ' b '" KS' U') ' MD' DRQDC' ? ' 9 N @QC' ' E')5' ' G ' ' G[' ' GH' ' G' U' G' ' JD N) @C' 50 ' ' ' O' _A ' DD' MDCD' L?FFDL DE' @' JD N) @C' 50 ' ' ' O' GGA

7/-)'('2.6.;.'(7/('(7.*.'&.66--/)',.',6.'-./664'-.:/-).)'7 1'/*'&'-(74'+'/',6/0.'2.*).'-/0.'/3)'-:6'.('('*'0.-(/3'(7/('+-'1'(7.')/4'&7.3'7.'&'3'24'6*'/3.:4-0'3'; (9*'/'*(/(9.'3'(7.'+'-91'7.'&/*'.50.,('24'/'+.&'*3/-63:'0-(0*')1((.)'('2.'(7.'+'-.1'*('1/3'+'6.((.-*'3'=/96'(7.'2.*('/3)':-./(.*('-.,-.*.3(/(;.'+'(7.'6)'06/**0/6'(-/)('3 M *'-.,9(/('3'6/*(.)'93'2*09-.)'/66'(7-'9:7'(7.'))6.':.*'/3)'('%9):.'24'(7.'1932.-'+'.)('3*'+'7 1'0'3(39.)'6'3:'/+(.-'(7.'3;.3('3'+',-3(3:'7.'1').-3'*07'6/-'&7'*.'(/*(.'7/*'2..3'+'-1.)'3'06/**0/6'1').6*'*'-.;'6(.)'24'7*'/++.0(/('3*'7*',.-;.-*./3)'2/-2/-'9*'3:.39(4'7*'(/*(.6.**'+'3)3.**'+'-'.5(-/;/:/3('; .-2/6'.++.0(*'.('&.'*7'96)'-.1.12.-'(7/('(7*'*'364'(7.'+3/6'/3)'3/(9-/6'-.*96('+'(7.')'6/(-4'+'1.-.'*(46.'3'/3'/:.'&(7'9('). /*'-'/34'7./6(74'3(.66.0(9/6'1';.1.3(F'/3'/:.'3'&707'/66'(7.'*(-.**'+') *0,63.'&/*'6/)'3'(7.'1.1'-4'/3)'(7.'1('/(;.',' &.-*F'/3'/:.'3'&707'1.1'.5,.0(3:'3'(73:'3.&'3'1/((.-'-'(7'9:7('7/)'/'1'-2)'0-/;3:'+'-'+-.*7'*.3*/('3*'3'*(46.'/3)'&'96)'('6.-/(./3)'.;.3'/,,6/9)'/34'*9-,-*.'+'.5/:::./('3''-'3:.39(4'&(73'(7.'0'3;.3('3/6'61(*'*.('24'(7.'*07''6*'3)'(7.'0-(0'306 3.)'('2.'*.;.-.'('')'39*'*7'96)'-.1.12.-'(7/('7.'3'('364'-.,-.*.3(*'/').2/*.)'+'-1'+'096(9-.'&707':-.&'3.;(/264'9('+'(7.',/*('29('(7/('7.'&/*'&(7'/66'7*'+'-0.'*(.13'3:'/S-/,)'1';.1.3('+').063.'&.;.-'7.'1/4'+6/((.-'7*'6(.-/-4'+-.3)*'('*'06./-'(7/('1/34'+'7*'06/**'&.-.'+/663:'/&/4'+-'1'(7.').6'+'(7.'6.((.-.)'3'26.'&707')'39*'&/*'0'3*(/3(64'7'6)3:'9,'('7*'0'3(.1,'-/-.*N'1.'&.-.'2.0'13:'/2*'-2.)'3'+/-13:'/3)'793(3:F''(7.-*'&.-.'7/;3:'(7.-'/(3(4'0'--9,(.)'24'/**'0/('3'&(7'(7.'=.-1/3*''*(66'6/-:.-'3912.-',-'2/264'*900912.)'('1.-.'*6'(7N'7.-.'19*('7/;.'2..3'1/34'6;3:'3'(7.'*.069*'3''+'/':-./('.*(/(.'*9--'93).)'24'6959-4'&(7'3''*(1969*''+',926 0'/3)'93*.6+*7'3(.-.*(*'/3)'09('++'+'-'6'3:'3(.-;/6*'+-'1

',?FF'E')3J''G_'N M')CC P@)C'RQ)D'U'1)?@')Q'&?ND?'??Q'OD?@D')LL?NN?E)D@Q
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NQF QE?'EDC E?C? QN'Q'@'DF'O)QL CC N'RQ RQD'ND)N'F@PQ)D'3)')'C'O?O D)DN'ED'F)Q@'K)'K) C'N?QN'?K P@D'@E L)D C'D)@'K D')K?F)N'ED FD)NQC'@D'DNO)NRQD''C L'?NQDC'@?K F Q@'CD'N?QQN'OQ OQ)D'OD'@LQ)N'QFP'EDL?F?)KQ@Q

+- .3)*' /3)' .C9/6*' 24' (7.' -'; 3:' 2/3)*' '+' 3;/).-*' &7''6'*('
(7. -' (/*(.' +'-' 6(.-/(9-.' /3)' */38' 3('' *'1.(7 3:' 6 8.' (7.'
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&-(3:*'(7.-.' *' 3'';).30.' '+' (7.'*, -(''0'30. ;.' '-' (7.'
.3.-:4'('' .5.09(.' /34'6(.-/-4' &'-8' '3' /' :-./(' *0/6.' (')'.*'
3'(' 3)..)' *9-,-*.' 9*' (7/(' 3' /3' /:.' '+' *(/-07.)' 0'3;.3('3/6(4'
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*).-/26.' 7 *('-0/6' &'-8' *7'96)' 7/;.' 2..3' ,-')90.)' 0/9*.*'
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*0.3.' /3)' (7.' *(/-(6 3:' 0/6/1 (.*' '+' (7.' + +(7' 0.3(9-4' ('' -'9*.'
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4 1 1/079*' +'-' 3*(/30.' 7/)' /1'3:' 7 *' +- .3)*' /' :-'9,' '+'
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/(' (7.' *9::.*('3' '+' -'*,.-M 2 *7',' '+' -6./3*' 2.:93' /'
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&7 07' (7-'9:7' 7 *' 0'33.0('3' & (7' ;(9*' /3)' (7.' :-./('
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7 *' -./*'3*' /(' *'1.' 6.3:(7' +'-' 3'(' 93).-(/8 3:' (7.' 0'1,'*('3'
'+' /' 7 *('-0/6' &'-8N' .'' & (7' 7 *'.6'C9.30.' 7 *';/*(',-/0(0/6'
83'&6.):.' '+' ,926 0' /++/-*' /3)' /' :-./(',*('3' &7 07' -/*.)'
7 1' /2';.' (7.' +./-' '+' 0-(0*1' 1 :7(' +/ -64' 7',.' +'-' +/1.'
/*' /' &-(.-' '+' 7 *('-4F$ 29(')'3 9*' +..6*' 7 1*.6+' *79(' '9(

' TN')5' 'GH
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C)@ ' O?C QC' @' LQFN @D' @?@' @DLDCCD'
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L Q@) D' ND@E)L QN' O@' MD' &?N)@'
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NDC' L' W' -D FDCM O' 8 . - , ' ,
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+-' 1' (7 *' + .6)' , / -(64' 24' 7 *' 06.- 0/6' , -'+.** '3' ;'&.)' ('' 791 6(4' /3)' 0'30.-3.)' & (7' (7.' +9(9-.' -/(7.-' (7/3' (7.' , -.*.3(' , /-(64' 24' 7 *' &/3(' '+' 7./6(7' /3)' ; :'9-F$' 29(' .;).3(64' 3' (7.' 1/3' +-'1' /' +./-' '+' ,926*7 3:' (7.' (-9(7' /2'9(' , .-*'3*' '+' , '&.-' /3)' 3+69.30. N')'3 9*' 1/4' -.+.-' . (7.-' (''3+69.3(/6' '1/3' 3'26.*' '-' (''(7.' =.-1/3' 07 .+*' &7'' &.-.' 8., (' &.66' 3+'-1.)' '+' &7/(' &/*' */)' /2'9(' (7.1' /3)' &7'' &.-.' .;).3(64' *.3* (;.' (''' 1/3' ', 3'3' 7.' 3./-.*(' /, , -'/07' (''7 *('-0/6' 0'1, '*('3' &7 07')'3 9*' .;.-' 1/).' &/*' 3' -* /3.:4-0*' 3)' 3' 7 *' (-./(1.3(' '+' (7.' -.6/('3*' '+' (7.' ='(7*' (''(7.' 1, -.' 3' (7.' .96':4' '+' ; (9*' /3)' '+' (7.' -.6/('3*' '+' /*(' /3)' .*(' 3' (7.' , '.1' '3' 3(7.1 9*' 7.' *7'&*' (7/(' 7.' 8..364' -./6*.)' (7.').6 0/(.' (/*8' &7 07' /&/(.)' /34'0'3(.1, '-/-4' 7 *('-/3' '+' (7/(' *('-14' (1.' '' (7.*.' 0'3*).-/('3*' &.' 1/4' /))' (7.' -.(0.30.' /*' (''(7.' , -'*, .0(*' '+' (7.' 1, -.' &7 07' , /(-'(0' , -).' *..1.)' (''1, '*.' '3' '1/3*' 3(79* /*(0' 7-*(/3/'6 8.' -'* 9*' '-' /6; /39*' +-'1') ++.-.3(' , '3(*' '+' ; .&' /3)' &(7' ;/-4 3:' '2%.0(*') *> 09**.)' (7.' 1, '-(' '+' (7.' :-./(' 07/3:.*' &7 07' &.-.' , /** 3:' 2.+'-.' (7.-' .4.*' E9(' (7.' 1/3' &7'' 2.6'3:.)' 1'-.' (''(7.' '6)' '1/3' &'-6)' (7/3' (''(7.').(/07.)' *'0 .(4' '+' (7.' 79-07' *7-/38' +-'1' .5/1 3 3:' (7.1' &(7' /3' ', .3 .4.)' *0-9(34' *' +/(7' 3' (7.').*(34' '+' '1.' 3' (7.' *(/2 6(4' '+' (7.' /30 .3(' '-).-' /3)' 096(9-.' 7/)' /66' (7.' +'-0.' '+' /'-.6 : '3' /3)' 7.' 3*(30(;.64' (9-3.)' /&/4' +-'1' (7.' *, .0(/06.' '+' 669* '3*' &7 07' *..1.)' (''2.' ;/3 *7 3:' 3' :6'' 1' 7.' 0'30., ('3' '+' 7 *('-4' /*' /' (-9(7+96' -.0'-)' '+' +/0(' 7/)' +'-' /:.*' 2..3' , -':-.** ;.64').,-/;.)' 24' (7.' 3+69.30.' '+' (7.' -7.('-0/6' *07''6' /3)' (7.' .;.3(*' '+' (7.' + +(7' 0.3(9-4'))' 3'(' '++.-' /' (.1, (3:' +.6)' .;.3' +'-' (7.' 1'*(' /9)/0 '9*' -7.('-0

7/(.;.-' (7.' 0/9*.*' 1/4' 7/;.' 2..3' (7.-.' *' 3''&'-8' '+

' , O?FF' E' ' AA' O?C DN?' F)@PQ?' NODE ND@ ?' D L

' 1' ' ' Q O ?')FC)' OD LQF?CD'))' E LQQ Q ' .C' D@ N' MQ'QC N?E' MDN)' @' RQ?' K?@? QN' C')L)C' @D@ ? ?N' N?E L)' P))' Y)) Q ' C' KQ)K F)N' Q)UQ))' ?F D@))' ' & D ?@' (0 ' 5)D ' , '3 ' RQ?' @D' I ' W_H"' L?@ DQ QC' DF RQQN' ?NO? C' J))@' D '%MD?E?C ' F) ? C' M C ?)D' C F?' DCD) ' 0 ' X-0' ' ! !.

- ' 1 ,' '! ' 1 ' ' ' ' ' X-0 , ' 1.-= , 1-,', -.' ' , ' 0 ,' 1, 1, ' . ,' - ' 0 ,' 1' 5F @') 5' ' H' GA' D D)' D ' C? O)')F C Z O)))' @RQ C ?' CDE' ?@D ?CO' L?FF) ?' @)L)' D ' @?)F J) C' ? ?@C)' L C' P))' b: Q? DE' KT' 5D D ' ? . ' 8 ' - ' ' $ ' B, # ' ' GIG '" 5D D ' F)C')' P??E' LM)O D ' ?@' MD' FQD@LD' ?' MD ? L' ?@' M C ? T' ' 7 G XX' ' L ' &' - D F?CM O' 8 . - ' , ') ,2 ' A@E' CD DC' O' m_

(7.+(7 0.3(9-4 &7 07 . (7.- 3 1/((.- '- 3 +'-1 0/3 ,->
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'1.'%.%93.'07-'3 06.'/-)M3 *(46.'/3)'+(.3 69) 0-'9*64
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7.' 7-'3 06.''+6$'*,.-',+ :(,(/3.$ &7 07')'&3'('(7.4./-
? " 'V+'93).)'3' $B.-'1.<*;.-*'3''+ 9*.2 9*',-'+.**.*('
$;.'(7.' 7*('%4''+(7.'&'-6)'+-'1'(7.' 2-(7''+ .(7('(7.
(/8 3:''+ '1@'24'(7.' /3)/6*'Q 3' VXX'' ('*)++ 096(('
0'30.;.'(7.'/((%(9).'-+(7.'Y -(.-<*' 1 3)'(7.' 1.(7')' '3'
&7 07'7.'0'3)90(.)'7 *'*(9) .*''-'(7.',- 30 ,6.'&7 07':9 (.)'
7 1 3'7 *'*.6.aH(,3%'+'.;.3(*' 3M<(7.+-*('/-('+'(7.'&'-8'
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3:'+/0(*'(/8.3'/('-/3)'1'+-'1'(7.'/33/6*''+ .-*/' /6.*(3.'
=-..0.'/3) $'1.'& (7'9(' /34'*@3*.'+',-','-('3''-'-.6/(;.'
1,'-(/30.' 7.'1''('1'1.3('9*',.-')*''-'0-*.*'/-.''1((.)'
'-')*1 **.)'3'/'* 3:6.',.-+930('-4',7-/*.' 7.'-. :3''+\.-5.*'
+'-'.5/1,6.' *'0/*9/664'/3)'-/(7.-' 3/009-/(.64'1.3('3.)'/*'
0'3(.1,'-/3.'9*'& (7'(7.'6;.*''+ ',7'06.*'/3)' 9-,).*'
7.<.-*/3' 3;/*'3''*'3'('/669).)'('F(7./:.''+ .-06.*'*'
/3'9((.-'26/38'1 '('/'*3:6.'.;.3('+'(7.' .6','33.*/3'&/-'
'-.0'-).)' (7'/'6'-)64')-.:/-)''+'07-'3'6':4'/3)'(7.'
,-/0(0/6'*).''+'791/3'/++/-*' 1,.)'06.*'^.3''/-1.3).*'
.-/06(9*' ,,'0-/(.*'/3)' '0-/(.*'/-.'/66'&.)'('7/;.'(7/('
:-./('/:.'('(7.1*.6;.*' 7.'-.:3''+ 6.5/3).-'/3)'(7.'
0/1,/ :3*''+B' /.*/-'3'=/96'/-.''364'7'3'9-.)'24'/'0'9,6.'
'+'63.*N'&7 6.'1/34'63.*'/-.': ;.3('2*09-.' .2-.&',3(++*'
/3)'('(7.';0**(9).*''+(7.'07'*.3',.',6.' 7.3'&.'0'1.'
('(7.',.-')' 3'&7 07' -'*,.-'19*('7/;.'2..3',.-*'3/664'
3(.-.*(.)'/3)'+'-'&7 07'7.'*'*'6.64'1-.*,'3* 26.'(7.')*>
,-',-('3'2.0'1.*'.;.3'1'-.'*(/-(6 3:$' 7.:-./('309-*'3*'
'+'6/-0'/3)' /)/:/.*9*'(7.'0/,(9-.''+' 1.'/3)'(7.' /3)/6'
'009,/('3''+ +-0/'/-.'-.0'-).)'&('-/(7.-'6.**.1,7/**'
(7/3'(7./,,/-('3''+/')';.*7/,.)'1.('-'&7 07' 26/O.)'+'-

'JD@@)E' '.5')..'L'H'M)KDK)@Q
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\'=D UDC' DP@)')@@C' ==' RQ?' RQ)D' LROCDLQ)'Q@')EY LD' LQ)'
DNO? D' ?OM?LFDC' D'.Q OEDC' LF) NQC

(7 -(4') /4*J '-'(7.' 30-.) 26.'/2*(3.30.''+'/3' :4,(/3'1'38' '-'(7.'+.9)*''+'B'73' 7-4*'*('1'/3)' 7.',7 69*''+' 6.5/3)-/' (' *' '364'+/ -'7'&.;. '('*/4'(7/('(7.' 3(.-.*('+' -'*,.-' 3'7 *' '&3',-'; 30.'*7.)*'7.-.'/3)'(7.-.'/'-/4''+'6:7(' '3' (7/(') 1',.-')' 3'&7 07'(7.' * :'(7*'&.-.'1/8 3:'(7.1*.6;.*' 1/*(.-*' +' '9(7.-3' =/96M' 7.</1.',-'; 30/6',/(-'(*1' *'.;.3'1'-.'*(-'3:64'1/-8.)'3'(7.' 7-'3 06.''+'(7.'=/66 0/3' 2*7',')/(9*' 6(7'9:7')/(9*'7/)'1/).'/',6:-1/:.' ('(7.' '64' 6/0.*'3'7 *'4'9(7N'/3)'-.,-.*.3(.)'7 *',-'; 30.' /*'/3'.3;'4'(' .(9*'7.'*7'&*'6.**'3(.-$+0'3'(7.':.3.-/6' 7 *('-4''+'(7.' 1,-.'(7/3'7 *'2-'(7.-' 7-'3 06.-' .(' 3' *,(.''+' (*',-';'8 3:'2-.;(4'(7.'&'-8''+')/(9*':;.*''1.' &.60'1.':6 1,*.*''+'(7.'0/-..-'+'(7.' * :'(7*'3'=/96''+' (7.'-/;/:.*''+'(7.' /3)/6'+6..(*''+'(7.'0/1,/:3*''+' 7.')'-0' /:/3*('(7.' 9.;.*'3' ,/3'/3)',+'(7.'*9++.-3:*''+'(7/(' 93+'-(93/(.',-';30.'+-'1'(7.'7'-).*'&7''*&.,('/0-'**' (' 7.'1 3)''+')/(9*' *' +966''+'(7.'7'--'-*''+' +/1 3.'/3)' *6/9:7(.-'&7 07'7.'19*('7/;.''+(.3'&(3.**.)' 7.-.' *' /' *(-/3:.',/(7'*' 3'7 *'2-.+'-.0'-)''+'(7.'1 *.-4'&7 07'7/*' +'93)'3''''(7.-';'0.

-'*,.-'/3)')/(9*'7'&.;.-')''3'('2.6'3:'('(7.'0-06.' (7.'6(.-/-4'('3.' '+' &7 07'&.'7/;.'2..3'(-4 3:'(').*0-2.' .' *7'96)' 7/;.'2..3'(7/38+96'+' /34''+' (7.'+-.3)*''+' 41 1/079*' '-')'3 9*'7/)'6.+('9*'.;.3'*907'*0-/,,4'/3)' 930'33.0(.)'%'((3:*''3'(7.':-./('.;.3(*'(7-'9:7'&7 07'(7.4' 6;.)' 7/(.;.-'+/96(*''+'*(46.'/3)'.5.09('3'(7./-3.*(' 7-*(/3'&-(.-*''+'(7/('(1.'1/4''++.-'('0-(0*1'(' */6&/4*'('2.'-.1.12.-.)'('(7.-'0-.)('(7/('(7.4'&.-.' '009,.)'&(7'6;3:'3(.-.*(*/3)').'/*'&7 6.'(7.'*.1 ,/:/3' 1.3''+'(7.'&'-6)'&.-.'('4 3:'&(7'14(7'6':0/6'+/30.*'/3)' +..)3:''3.'/3'(7.-<*';/3(4'&(7'(-08*/3)'*9-,-*.*''+'*(46.' 7.').+.0(*''+'*.096/-'6(.-/(9-.'0/3'3./-64'/66'2.'(-/0.)'(' 2/--.33.**,+'(7'9:7('/3)'/2*.30.''+'*30.-(4'/3)'6';.''+' (-9(7F'/3)'(7.*./:/3'&.-.'(7.')-.0('-.*96('+'/'*07''6'(-/3 3:' (7.'&7'6.'/1''+'&7 07'&/*('(9-3'9('1(/('-*/3)'1/*(.-*

'N PM'M)TD'KDD@'M?QPM'DRQ)FFT'@ D D) P'?')@'DL?FDC)) L'M)'@'M C'D T'TD)'#)C'CCQDE'MD'P D)'DE L'R'%MD?E?C QC')P)@C'O)P)@'C)L LDC''*'U'G['GA

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E)'(0'5)D'&D'DNDN'KD DE'M)@P')D?@''VD?ND'RQD@'b& D?OTNQN'"RQ?E)N'DNO?D'O?'Y D'OD DP@)?@C@'CQO)E L C'DP?@K)C')EMQL'@)@QFQC''E CCD'ND'LD QC'CQ)'%MD'O FP N)PD'#)C'O?KX)KFT')K?Q'[_''L'.KD''O'

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3 ' , ' . (- 4 ' (7. ' , ' ; . - (4 ' ' + 1 / : 3 / (' 3 ' & / * ' (' ' * ' 1 . ' . 5 (. 3 (' 0 ' 30 . / 6 .) ' ' - ' * 9 , , 6 . 1 . 3 (.) ' 74 ' (7. ' 6 / ; * 7 ' . 1 , 6 ' 41 . 3 (' ' + 1 4 (7 ' 6 ' : 0 / 6 ' * 0 . 3 . - 4 ' 6 / 9) / 3 ' (' * ' (- 9 . ' 7 /) ' - . / 6 ' , ' . (0 ' : + (* F 4 . (' + - ' 1 ' (/ * (. ' ' - ' , ' 6 04 ' 7 . ') ' . * ' 3 ' (' * 7 - 38 ' + - ' 1 ' (7. ' * (/ - (6 3 : ' 30 ' 3 : - 9 (4 ' ' + . 3 (7 - ' 3 3 : ' 7 . ') ' * 9 * M ' (7. ' 07 / 1 , ' 3 ' ' + ' (7. ' 79-07 ' / 1 ' 3 : ' (7. ' 641 , / 3 ' : ') * M ' ' - ' ' + ' 3 ; (3 : ' . - . 3 / ' & 7 ' ' & / * ' . 5 . 0 - / (.) ' 24 ' / 66 ' (- 9 . ' , / : / 3 * ' + ' - ' / , , - ' , - / (> 3 : ' (7. ' 3 . 086 / 0 . ' 3 ' (7. ' 7 ' 64 ' 1 / : . ' ' + ' (7. ' : - . / (' : ')) . * * ' (' ' , - . *) . ' / * ' / 3 ' (7. - ' B93 ' ' / (' (7. ' 39 , (/ 6 * ' ' + ' / 3 ' (7. - ' - , 7 . 9 * N ' E9 (' 7 * ' 7 - * (/ 3 ' 0 ' 3 (. 1 , ' - / - . * ' ' - ' 6 / (. - ' 1 (/ (' - * ' / - . ' / * ' , / : / 3 ' 3 ' (7. - ' 1 / : . - 4 ' & (7 ' 9 (' 7 * ' , / : / 3 ' / ((/ 07 1 . 3 (* ' ' / 96 39 * ' 7 /) ' (' 1 ' 7 1 * . 6 + ' + - ' 1 ' (7. ' * . 1 , / : / 3 ' * ' 0 . (4 ' ' + ' C9 (/ 3 . ' (' ' 6 . /) ' / ' 6 + . ' ' + ' / 9 * (. - (4 ' / 3) ' , - / 4 . - ' 3) ' 7 * ' * 7 ' 08 .) ' / 3) ' / + + 6 0 (.) ' + - . 3) ' 9 * ' 3 9 * ' - . , - ' / 07 . * ' 7 1 ' & (7 ' 7 * ' + / (76 . ** 3 . ** ' (' ' 6) ' (. * ' 24 ' / 3 ' / , , . / 6 ' (' ' (7. ' 1 4 (7 0 / 6 ' (4 , . * ' ' + ' 6 ' 4 / 6 ' + - . 3) > * 7 , ' 7 . * . 9 * ' / 3) ' - (7 ' 9 * ' 46 /) . * ' / 3) ' -. * (. * ' *9 * ' / 3) ' 94 / 69 * N ' 7 . ' 7 - * (/ 3 ') ' 3 9 * ')) ' 3 ' (' * 0 - 9 , 6 . ' (' ' 9 * . ' (' ' (7. ' 9 ((. - 1 ' * (' (7. ' & . / 6 (7 ' ' + ' / 30 . 3 (' , / : / 3 ' 1 / : 3 / (' 3 ' (' ' /) ' 7 * ' ' & 3 ' - / (7. - ' 2 / - - . 3 ' + / 304 ' 8 . ' 1 / 07 3 . - 4 ' ' + ' 7 * ' / 3 . : 4 - 0 * ' 3 ' 7 - * (/ 3 ' . 1 , . - ' - * ' * ' / 66 ' 2 ' - - ' & .) ' + - ' 1 ' (7. ' , / : / 3 ' , / * (' 7. ' 0 - /) 6 . * ' ' + ' 3 (7. 1 9 * ' / 3) ' ; (9 * ' / - . ' * 9 - - ' 93) .) ' & (7 ' ' 1 . 3 * ' ' + ' (7. - ' + 9 (9 - . ' : - . / (3 . * * ' ' + ' (7. ' / 3 (C9 . ' 8 3) $ ' 7.

' . @@?E ' 4 ' U ' I (, 5 ' ' . 5 ') . . ' O ' _ G"
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' 0 ?C QC ' ' W < ' C TFDC ' M N ' O ?D ' RQ EDN ' DU N QC ' CDE ' O) P) @Q ' OD L) ' D CC NQC ' ' /) QC ?MD @ ' , 1 .

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'1.' &707' -.0. ;.*' '-' 06/ 1*' (7.1' /*' 7.-' -96.-*' *..1*'
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('' 7.-' /30.3(' :')*' 3.' &'96)'3.;.-' :/(7.-'+-'1' *907'
,.0.*' (7/(' (7.'-.6 : '3' '+'B9, (.-'/3)' /-*' /3)' .39*' 7/)'
2..3'+'-' :.3.-/('3*'64 3:'0-9*7.)'93).-',.3/6'.) 0(*'/3)'(7/('
('' '++.-'/' :-/ 3' '+' 30.3*.' '3' (7.' '6)' /6(/-*' '-' ('' *0-..3' (7.'
9,.-(('9*';'(/-4'1 :7(' 2.',93 *7.)'& (7'0'3+ *0/('3'.5 6.
'-' .;.3' & (7')./(7$.(' (7.-.' *'/'*7'&4' 3* 30.-(4'/2'9('
(7.' 14(7'6': 0/6' '-3/1.3(' '+)'3 9*' &707' ('' (7.' 0-((0/6'
.4.' */;.*' 7 1' +-'1' /34' 1,9(/('3'+' 2.6.; 3:' 3'(7.' :')*'
&7'1'7.' 9*.*' +'-' ,'.(0' .++.0(' 6/9) /3' /+(.-' /66' *'/'-./6'
,'.(F' 7.' *'/',*(791'9*'076)'+'(7.':-./(':/:.'/3)'7/*'*'1.>
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'+' (-/&2.--4' 66'' '-'(7.' /,73*'/3)' 76'.'(7.' /1'3'/3)'
9,)'+' =/4'-' -'-' (' *' 6/;*7.)' &(7' /'+-.304' '+'
,.)/3(-4''3'*92%.0(*'&707'24'0'3(-/*('-.3).-' ('364'-) 096'9*'
'3(9*' /96 39*'7/)'29 6(' 7 1*.6+'/'*$16,(9'9*'0'93(-4'*./('3'
(7.'2/38*'+'(7.'=/-'33.'+'-(+.)'& (7' 1,-.:3/26.'&/66*'/3)'
/--/3:.)'& (7'/66'(7/('0'96)'1 3*(.-'(''6959- '9*' '-'+/*()'9*'
(/*(.')'3 9*' *' 3'(' */(*+.)' & (7').*0-2 3:' (' * 1,64'
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'+',-',7.04M$:.*'2.+'-.'(7.'E9-:9*' '+' .'3(9*'&/*'296(
E/0079*' *').*0-2.)'/*' -.(9-33:'+-'1' 7*'0'3C9.*('+'(7.'
/*('*./(.)'3'7*'0/-')-/&3'24'(:.-*'/3)'.*0'-(.)'24'+/93*'
/3)'*/(4-*' .'&/*' (-/;.66 3:'(7-'9:7'(7.'/-'3'(-91,7'('
7.2.*'&7.3'7.'&/*' 1.(' 24' 7'.29*'/3)'9-:.)'('' (9-3'7*'
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(7.':')'+',-',7.04'*/&'(7.'*(/(.64'('&.-*'+' /96 39*'/6-./)4'
-*3:' 3'(7.'+9(9-.

'&3'('' (7.'.3)'+'(7.'0.3(9-4'1/1/:.*' 3' 7-*(/3'
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,/:/3'1/33.-')'3 9*'7/*6.+('(&''+'(7.*.', .0.*' 3'&707'
7*'(/*(.'*',-'2/264'*..3'/(' (*'&'-*(' 3''3.''+'(7.*.' .39*'$
**'*911'3.)'24'7.-'*'3'('' ; *'(7.'70/3.'+'(7.'2-).' 3'(7.'
.*(N' 3'(7.*7'-.*'+' '-3(7'(7.':'))..**' *'+'93)'/*6..,'
3'7.-'(.1,6.':'-:.'9*' &(7' 1/340'6'9-.)' 1/-26.*'/3)'/66

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(7.' ,-.0 '9*' *('3.*' 83'&3' ('' (7.' /,0 .3(*' .39*' /+(.-' /' .96':4' '3' (7.' 2./9(4' '+' 2.- /' &7 07' (7.M' :')).**' 0'3+.**.*' 1 :7(' 7/;.' &'3' (7.' ,-0.' 3' (7.' +/1'9*' 0'3(.*(' '3' 1 1(')/' '2.4*' (7.' 0/66' '+' 7.-' *'3' 7.' 1/8.*' 7.-' %'9-3.4' 3' (7.' '-(7')'5' +/*7 '3' */ 6 3:' (7-'9:7' / -' '3' /' 0/-' '+' 0-4*(/6' /3)' :'6)')-/&3'24'7.-' *&/3*' &7 6.' 7.-'(-/ 3' *' *&.66.)' 24' (7.' =-/0.*' '-/' '1'3/' (7.' :4,(/3' * - *' /3)' (7.' 3' *4' -'9(' '+' E/0079*' 7.' 2-).:-'' 1' 3' &7'*.' 7'3'9-' (7 *' 2.> 6/(.)' ,/:/3' *'3:' &/*' 0'1,'*.)' &/*' (7/(' 9- 0' &7'').*0.3).)' +-'1' (7.' :-./(' 3 0 /3' 7'9*.$' *'1.' 4./-*' /+(.-&/-)*' (''8' (7.' ;'&' '+' -.3930 /('3' /3)' 2.0/1.' 2 *7',' '+' 1':.*' .' ,-'2/264' 6 ;.)' ('' *..' (7.' :-./(' 2/((6.' 3' (7.' ,6/ 3*' '+' '(.-*' 3' &7 07' /' *'3' '+' 7 *' +- .3)')'3 9*'+.66' /(' (7.' 7./)' '+' (7.' 3'26.*' '+' 9;.-:3.' &7'' &.-.' +:7(3:' 3' (7.' * :'(7 0' 0/9*.' /:/ 3*(' (7.' ;0('- '9*' -/38*$

'(' 6.**' 30'3:-9'9*' *' (7.' ., (7/6/1 91' 0'1,'*.)' +'-' (7.' &.)) 3:' '+' '6.1 9*N' 3' (7 *' ,'.1' (7.' 2-).:-''1' *' /' ,7 6'*',7.-' /3)' (7.' ,/(-'3' :')).**' *' 3'' 6'3:.-' .39*' 29(' 3.-;/' &7'' *' *..3' 7/*(.3 3:' (' ((0/' O6/)' 3' /66' 7.-' (-/) > ('3/6' /-1'9-' 7.-' *7 .6)' 0';.-.)' & (7' *0.3.*' +-'1' (7.' &/-' & (7' (7.' = /3(*' 7.' ,'.(' 0/-- .*' 9*' ('' /' *(//(.64' (.1,6.' 3' ((0/ M' 3' &7 07' /-.' :/(7.-.)' /66' (7.' */:.*' /3)' ,7 6'*',7.-*' 83'&3'24' 3/1.' /(' 6./*(' 3' (7.' =/66 O' *07''6*' 7.' 4'93:' 6/('3 *(' *'+'93)'*./(.)' /1'3:' (7 *' /9:9*(' 0'1,/34'-.0. ;3:' (7.' 0'1,6 1.3(*' '+' (7.' 0/).14 N' 3' /3'(7.-' *).' /-.') *> ,6/4.)' (7.' &'-8*' '+' .12-').-4' &7 07' /-.').'/-' ('' (7.' ;-:3' :'')).**F' /1'3:' (7.1' /' -'2.' 3' &7'*.' (.5(9-.' /-.'+:9-.)' /' 7'*(' '+'6.:.3)/-4' 1'3*(.-*' &7 07' /-.' .391.-/(.)'6 8.' (7.' 2./*(*' 3' /' 1.3/:.- .N' 3)' (7.' 2-).' *') *0';.-.)' &'-8 3:' 3(''' /' 1/3(6.*' '+';0('-4'+'-' 7.-' +/(7.-' /';.(.-/3' '+' (7.' ,/3 *7' &/-*$' (7.' (/6.*' '+' .3.6',.<*' &.2' '+' -,7.9*' /3)' 9-4) 0.' /3)' *(-/3:.' *92%.0(' +'-' 7-*(/3' 1/).3<*' (7'9:7(*' (7.' 6.:.3)*' '+' (7.' 1/34' /1'9-*' '+' (7.' 8 3:' '+' (7.' :')*N' 3.-;/' & (7' (7.

' DD' MD' DO)OM' KT' 9? Q@) QC' RQ? DE' @' ; QCLM)' , 3' $- .')5' O' U

' J DP' %Q' ' ' / ' ' L' W_' N)U NQC' K b Q'L)NO?' ? F)ED@CD" Q@L' , DN? QN' O?OQFQC' RQ' LQN' , O?FF' @) D' D@D) ' D' O N' bOFQ N' Z" Q' D)Q' DU' DD@) ? KQC' L? QD Q@ ' 9?' MD' C D' ?' M C' K) FD' !' V)L?KC' ? O#

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7.6,' '+' 6/('' ';.-0'1.*' (7.' ,76'*',70' 3) ++.-.30.' '+'
'6.19*'('' &.)6'08' /3)'(7.',/ -'/-.'93(.)' 3'(7.'7',.'(7/('
+/;'9-.)'24'(7.'7/-1'3 '9*'**(.-*'(7.'1/--/:.'1/4':;.'(7.'
&'-6)'/3'(7.-' 6/('~$)'39*'*''3'/+(.-'(7.'01,'*('3''+'
(7*', .0.'2.0/1.'/'2*7','/3)'-.*'6;.)'('/2/3)'3'(7.'096(>
;/('3''+',/:/3',.(-4'/* 30'3**(.3(' &('7*'*/0-.)',->
+.**'3$ 3.'0'96)'7/;.'&*7.)'(7/(''(7.'-.3930/('3'7/)'
2..3'1/).'/'6((6.'*''3.-

7.'/29*.'+'14(7'6':0/6''-3/1.3(' &/*''3644'3.'-.*96('
'+'/').,-/;/('3''+'6(.-/-4'+..63:'&707'*'C9(./*'1/-8.)'
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/3)'*(-90(9-.'('1 :7('2.'1/3(/3.)'(7/('(7.',-'*.'*'1'-.'
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3'(7.'-4'(7/(',-'*.'*(46.'*7'96)'2.'6.**'6959-/3(N'/3)'7.'
&/*'93).-'(7.').69*'3'(7/('7.'&-'(.'/',-'*.'+'*.;.-.'*1>
,60(4' .('3./-64'.;.-4'+'-1''+'.5/::.-/(.)'/3)'1*,6/0.)'
/-(+0.'&707'0-(0*1'7/*'2*.-;.)'3'7*';.-*<$ 0/3'2.')*>
0';.-.)'3'(7.6.((.-*'+')'39*'/3)''+'1/34''+'7*'03'(.1>
,'-/-.*' 66(.-/('3'/3)'/**'3/30.N',1,'9*',.-,7-/**'
(/83:'(7.',6/0.''+'** 1,6.'.5,-.**'3''+'-)3/-4'+/0('/3((7.**'
&(7'9('-./6'03'(-/*('*1 6/-(4''+'*'93)'&(73''*1 6/-(4''+'
.3.N'9(-/:.'9*74,.-2'6.'/3)<(7.'1'*('.50-90/(3:',93*$G'
/66'(7.*.';0.*'&.-.'096(;/(.)'24')'39*'&(7'/'1.6/307'64'
&/*(.'+'.++'-(' 7.'09-'9*'*(9).3('19*('-./)')'39*'
71*.6+'('',/,-.0/(.'(7.',.-;.-*.'.6/2'-/('3''+'7*'*(46.' ('
(/-.'/('9*'+-'1'.;.-4',/:.' ''(-/3*6/('3'0'96)':;.'.;.3'
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/(36/3:9/:.'7/*'2..3'*92%.0(.)'24'(7*').;'(..''+'(7.',/*('
'-'&/*')'39*',.096/-'3'(7.*.'+/96(*''+'*(46.' ('*(/-.*'/('9*'+-'1'.;.-4',/:.'
''(-/3*6/('3'0'96)':;.'.;.3'(7.'+/3(.*('0'30.,('3''+'(7.' 3:.3'9*'('-(9-.'('&707'(7.'
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'-'&/*')'39*',.096/-'3'(7.*.'+/96(*''+'*(46.' ('*(-9.'
(7/('3'71'(7.'0'123.)'6(.-/-4';/3(4'/3)'*./-07'+'-'
,C9/3('7-/*.'/('/34'0'*('&707'07/-/0(.-*.)'7*'06/**'&.-.'
*.0'3).)'24'/'(/6.3('/3)'+/06(4'&707'&.-.'(7.'393-;/66.)

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@LODC' QN'O) QN'@M'LD'5F)?@
\')5'U'GA'G'JDN)@W '
OO'WI')@E'BI'&D'#?D'M?#DD'
?ND'DCDC')D'MD'KDL)ND'KCM?O''
L')5'='GW'U'G<' 'G_'
'GG
'GB'H'@'M?L'CF?'LQ'@?@'
MK)74' 50'@DC'CDE'OCP!)'CU@'
OFL)C'''' -?C'?OQCL@F)'CDN?@D

L?@EENQC')E?'DUF'LD D'N)UN)'
DU'O) D'QFP)?
'9D P' 50''' -'@ '
'O'G_
'9?'MD'#?C'CODL ND@C'?')5'
''e'A''<'e'B'3, 'UU'''
)5'H'e'A' 'W'
(, 'UU', H['
6'
')5' 'GH'B'OD OD @?'EQ D@'
LQFN @)'5D OD Q

/3)' /61'*(' 93 ;.-*/664' /)1 -.)$' E9(' &.' ,'/4'2.' *9-.' (7/(' (7.' *7/)'&4'0-'&)' '+' ,'.(*' /3)' '-/('-*' &7'1' 7.' 7/*' */;.)' +-'1' '26 ; '3'24'7 *' .5(-/;/:/3(' .96': .*', 6./*.)' 7 1'24'(7.' ;.-4'+/96(*' &7 07'7.'096(;/(.)' *'' /**)9'9*64' 3'7 1*.6+' 3)' 3' 1 (/('-*' '+' 7 *' *(46.' *907' /*' 9-0' '+' 1':.*MM' &.' +3)' 3').:.3.-/(.' +'-1' (7.' */1.' 66 / 1.)' 6(.-/-4' /12 ('3' /3)' ;0'9*' .6/2'-/('3' '+' (7.'0'11'3,6/0.' &707'/-.'/(' (7.'-''(' '+'(7.'+/96(*' '+')& 9*

)'39*' /*' /*'(46*(' *' 3'(' /*'6(/-4'.00.3(-0F 7.' *' (7.' 1'*(' 0'1,6.(.' /3)'.6/2'-/(.' ,-')90(' '+' /' &'-3'9(' *4*(.1' '+' .)90/('3' /3)' '+' /' *'0.(4' &707'7/)'*,.3(' (*' +'-0.' /3)' &/*' 6 ; 3:' 3' /' &'-6)' '+' :7'*(*' /3)' 669*'3*' 7.' ;.-4'((6.*' '+' '1/:3/3 1 (/*R'Q'*92 1 (/*R'Q'0.6*(9)''(9/RÑ: ;.3'74'+-.3)*' ('''3.'/3'(7.-'3''-)3/-4'3(.-0'9-*.'-.;./6'/3'/:.'&707'0/-.)' +'-' +'-1*' /3)' &'-)*' -/(7.-' (7/3' +'-' (7.' *30.-(4' '+' +/0(' -/3.)' (''2.6.;.' (7/(').60/(.'1/3,96/('3' '+' 6/3:9/:.'+'-' (7.',9-,'*.' '+' *(-83:'.++.0(' &/*' (7.':-./(.3)' '+' .)90/('3' /3)' (7/('(7.';.-4',';.-(4' '+' 1/((.-''++.-.)' /' +3.-'',,'-(93 (4' +'-') *,6/4' '+' -7.('-0/6' /-(' 1.3' 0/1.' (''0/-.' 3'(7 3:' /2'9(' +/0(' /3)' (-9(7''-'.;.3'(7.'*'6)' (7'9:7(*' '+' (7.':-./(' &-(.-*' &7'1' (7.4').;'(.)64' *(9).)' '3).13.)' (''/' *(.-6.' /3)' 1'3'('3'9*'.5*(.30.'& (7'3''&7'6.*'1.' /12('3' '-'*/;3:' ,-/0(0/6' 3(.-.*(*'(7.'06.;.-'1/3''+' (7.'&'-6)'+'93)'7 *' '364' 3(.66.0(9/6' *(1969*' 3' *9-,-*.*' /3)' *.3*/('3/6' .++.0(*' '+' *(46.' /3)' (7.' 1'-2)' /,,.((.' +'-' 3';.6(4' /3)' ,C9/304' *(196/(.)'+-.*7'.++'-(*' '+',.-;.-(.)' 3:.39(4'/3)')-.&'(/*(.' +/-(7.-'/3)'+/-(7.-'+-'1'(7.'2./(.3',/(7''+'*1,6.'.5,-.**'3' E4'/3' 3.;(/26.' .1.* *'(7.*.')'6/(.-*' '+' 1.-.'*(46.' .3).)' 3'&-(3:'/'2/-2/-'9*'%/-:'3'&707'.;.3'*'1.''+'(7.'/).,(*' 0'96)'7/-)64' 3(.-,-.(M

7.'/).,(*' 3'(7.',-.0'9*'*(46.' 3'(7.'6/((.-'7/6+''+'(7.' ++(7'0.3(9-4'&.-.'0'1(6.**' 7.' *:'(7'/3)' /3)/6')' 3'(' 1907')*(9-2'(7.-'+9(6.'.3(79*/*1' 3'0(.*'&707' &.-./:/3'/3)'/:/3'2.6./:9.-.)'24'='(70'/-1.*'1.3'0/6164' /19*.)'(7.1*.6;.*'&(7'(7.-'1(//('3*''+' 3)/-'/3)' -:6' /3)' (/(9*'(7.-').06/1/('4')*,6/4*'(7.-'076)*7'*,'-(

'1)ND ' F)QE' ,3' ' ', -' \'_B' 'H'e' '' 'B'e'G' 'G[''e'G
, T' JD@Q)E' ''. 5')..'.'IA' '1' 'AB'e' W')' O)D' ?KCL Q '
L ' JD N)@'O'GGA')D' E L ? QN' @?@')LLD@E ' @PD@'
' ' MD')F DL DE' N?EDC T' ? ' C TFD' QN' W? 5D) LM' ?Q@E' E?@ QC'
@'/Q L''5' ' '' 'GH'e'< M) E' D)E @P'bJD N)@'O'_I

L&(7'Q';.-*9*'.07'0'.('-.09--.3(.*R' 7.',.1*'/3)'6.((.-*'
'+')'39*'/-.'+(.3'.5('66.)'/*'/'*('-.7'9*.'+'3+'-1/('3'/*'
('(7.'6(.-/-4'7*('-4'+'7*'(1.F/3)'+'-(7.'*,-('+'('(7.4'
/-.'3;.)9/26.' E9('(7.'1').-'0/3'364'*0/3'(7.'6'3:'/--/4'
'+'+'-:'((.'3/1.*'/3)'.,7.1.-/6'-.,9(/('3*'&(7'/'6/3:9)'
3(.-.*('-'/',/(7.(0'*.3*.'+'(7.';/3(4'+',-';30/6'+/1.'
7.'2-66/3('06C9.'/(' /-2'33.M'%9-*(*',.(*',76'*',7.-*'
&.-.')'92(6.**';.-4',6./*/3('/3)'3(.-.*(3:'('3.'/3'(7.-'
7.4'7/)'(7.',).'+'(7383:'(7/(' /'.'0'123.)'/3'
93-;/66.)'6.:/6'6'-.'&(7'/'64-0',&.-'&707'1:7('7/;.'
07/66.3:.)''-/0.''-'3)/-N'(7/(' /'/:39*','**.**.)'/66'(7.'
).,(7'/3)'/091.3'+'(7.':-./(.*(' =-..8'(738.-*'/3)'0'96)'
0'3(.3)'3'.C9/6'(.-1*'3'(7.-'*.,/-/(.'+.6)*&(7' ',7'06.*'
/3)' .3/3).-'&(7' '1.-'/3)' -:6'&(7' .-')'(9*'/3)'
/669*(F$(7/('(7.'64-0*'+' '3*.3(9*'&.-.').*(3.)'('07/-1'
,'*(.-(4N' .33.'2'/*(.)'('7/;.' 3' 9,/9)9*'/'-7.('->
0/3'&7''7/)'(7.':.39*'+'(7.':-./(' /:.'+'=/660'-7.('-0'
(7.'0',' 9*3.**'+' .6,7)9*'(7./-('+' :-'.09*'(7.'3.-:4'
'+' 60 19*' .093) 39*'.C9/664'-./)4'30.6.2-/(3:'3';.-*.'
/'&.)) 3:''-'/3' .5,6'(' '+'(7.'07/*.'&/*'+/1.)'+'-'(7.'
8 66'/3)';.6.)'.;.-(4'&(7'&707'7./;.3:.)'(7.'19-).-'+'
76,.-0'/3)'7*'C9..3'24'=1)'2/6)N' E'-)./95'7/)'*(66'
/'&'-(74'*900.**'-'('(7.':.3.-/('3''+' 9*'39*'3'(7.'
2-66/3('4.(' 1.6/307'64'+:9-.'+' /1,-)9*' 7.-.'&/*'
3'3.'+'7*'6(.-/-4'+-.3)*'('&7'1')'39*'&/*'1'-.'
).;'(.)''-'+'&7'1',.-7/,*'7.'7/*'6.+(' *'';;)'/',-(-/('
6 1,-)9*&/*'7'(7./).)' 1,-9).3('/3)'(7.'*6/;.'+'*9,.->
(('3' .'&/',.-7/,*'3'('938 3)64'29('7.'&/*'/') ++096('
+-.3)'&7''*7'&.)'7*'2.((.-'*).'('(7.':.3(6./3)'('6.-/3('
2*7',''+' 9;.-:3.')'39*'.57/9*(*'.;.3'7*'-.,.-('-4'+'
.96':4'3'(7.'.++'-('('')''%9*(0.'('(7.'2'93)6.**'-/3:.'+'
/1,-)9*'/00'1,6*71.3(*' .'&/*'/3'/00'1,6*7.)'-/('-F
7.'0'96)'0/1,'*.'&(7'.C9/6'-./)3.**'3'/34'*92%.0('3'/34'
,.0.'+';.-*.'+-'1'(7.'1'*('&.:7(4'('(7.'1'*('+-;'6'9*'
,0''-'.6.:/0'(-/:0'290'60'-'+.*0.333.'&.-.'/66'/68.('
7*'1 /096'9*'+/06(4' .'&/*',-'2/264'(7.'6/*('/:/3'1/3

'O?FF' E')3' 'GG'e'B' DD' '(, -'UU
)@DU)NOFD'?'MD'D CQC'DLQ D@C' '
#MLM'L)@'KD' D)E'D MD'K)LS#)EC'? '
? #)EC'@')5'U'G'e'
7?O)' K'CQK ?'@Q KQC'K')N?

'1'' I_' $)5' '
$'' ''H'W' 'H''L' N?@E'
O'B_'

' + 6.((.-* 3 (7. .*((-' ', ' + +- 0/3) ; 3.-* 0/1. (' E'-)./95 /3) '3 /*(9)4' + 7 * 0'3*(.66/('3 +'-.('6) (7. ;.-4)/4/3) 7'9-' + 7 *).//(7 3(7. +/(.))/4(7. ,/-/:'3 ' + =/66 0 096(9-. ,.- *7.) :3'1 3 '9*64 24 (7. 7/3)* ' + 7 * *6/;.*

/34 /3'(7.- '-/('- '- ,'.(&7' (7.3 .3%'4.) / *7'-(> 6 ;.) +/1. & . 19*(6./;. (' *6912.- '3 3 (7. ,/:.* ' +)'3 9* . /-. 3'& &/3).- 3: 3 / 6/3) ' + ,/6. * 6.3(*7/).* 364 '3. ' + /66 (7/(0'1 ,/34 7/* 3 / +/*7 '3 6 ;.) '3 (' (. 9* &7/(1/33.- ' + 1.3 (7.4 &.-. (* ,.-7/,* 93:-/(.+96 (' 7 1 (' ,/-(+-'1 '9- :9).& (7 '364 / -.0'66.0> ('3 ' + (7. +/96(* ' + (7. *'0 .(4 &7 07 7. 7/* *' +/ (7+9664).*0-2.) (' 9* 8. 1/34 /1'(7.- '2*09-. :.3.-/('3 (7.4 ,.-+'-1.) (7. - /66'((.) ,/-(3 *7/, 3:'- :9/-) 3: (7. +9(9-. ' + 791/3 (4 ' ,-.*.-;. (7. (-/) ('3 ' + (* 7/-) & '3 096(9-. 1/4 2. / (1.* /* 3.0.**/-4 / (/*8 (7'9:7 '3. 3'(*' *(- 8 3: (' (7. 1/: 3/('3 /* (' 7. (7. , '3..-* 3 +-.*7 0'3C9.*(* 3) (7.*. 3'& +'-:'((.3 , .)/3(* 3 / , .- ') ' + , '6 (0/6 0'3;96* '3 /3) 6 (.-/-4).0/).30. *'+(.3.) (7. 1 ,/0(' + 2/-2/-*1 /3) 8.,(' ,.3 +'- 0'1 3: /:.* (7. /00.** (' (7.) *(/3(*'9-0.* ' + '9- 3(.66.0(9/6 6 +.

\

,D U) ' M C LCNO) P@C)P) @C ' 9)@SC' 7) P@@E)@C')@E' J? MC' A G' A_[' M C ED) M' A_H

,FM @@C ' 5QKF F QC)D?@ QC')' O)P)@ O?@ ') MD ' ?' 3?L) ' ' VD ?ND C D D D@LD' ?' GA' G[H

,FP)C)' ?')M? C' # DC ?' ' VD ?ND')K?Q ' 7 KF L)F E LQF DC' G<B

,NK ?CD' ')' D@E' ?' TNN)LMQC' ?OO?CDC' MD' DC ?) ?@ ? ' MD')F) ' ?' L ? T' GI ' M C @ FQD@LD' # M' %MD?X E?C ?C' AB

,NN)@QC' 1) LDFF @QP' M C' L) DD ')@E' DF P ?QC' ?O @ ?@C' G[G ' M C' CD D D' YQEPND@ ' ?' /?N)@' LM))L D ' @' M C' ND' G[A' XX

,@ MDN QC'F 'L?@@DL ?@C')@E')LLDCC ?@ AHW' 5)@DPT L' ? ' E?@ QC' ?@' AHW AH

,O?FF @) DC' MD' F D) T' D ? C' ? ' WA ' @'

,O?C)CT' DRQD@ ' @' MD' D P@?' J))@' GG' F)#C')P) @C ' ?N' WHG' ?' WIB' AH'

,OQFD QC' K C' EDCL O ?@' ?' MD' #? CM O' ?' C C'_G' DUO?@D@' ?' 5F) ?@ CN' HA' ' M C #? SC' DND@EDE' KT')FFQC QC' GWG

, NT' E LQF T' ?' DL Q @P' GIB' EDCD ?@' DRQD@ ' GIB' GI_' ' CF) DC' D@ ?FFDE' GI_' K) K))@' L? OC')@E' ? LD C' A W' A < XX' ' CQOD ? T' ?' /?N)@ ??OC' ?' MD' @)ED C' A [

,)@E C')' L? QO ' P? D @? ' @ PQDC' # M' MD' C P? MC')@E' C' DE') ' &?)D' A_

,CLD L CN' N)ED' ND@' @E D D@' ? L F EQ T' G[' ' C' CD D D' YQEPND@ C' ?' L?@ DNO?) T' N?) F T' G[[' ' NX OQFCD' P D@' ?' KT' ' 1) @' G<A' E?@ QC' D D DQLD' ? ' GH ' O)P)@')CLD L CN' BB' BH' _[' _ ' ' M C)@)CLD L CN' NQF) DE' KT' ', M)@)C QC' G[' @' A ')CLD L' ED)F ?' ' VD ?ND' G[B'

,) @C' 5 CLQC' M C' ? P @' LM))L D ')@E')LL?NOF CMND@ C')' D@E' ?' 3 K)@ QC' M C' DFD) ?@' ?' MD' OQ OFD' AG' ' K)O]DE' KT')@',)@' K CM?O' W_' ' DF DC' ?@' E @) ?@'

,QPQC @D' ' M C' L? D CO?@EQ@LD' # M' ?FQC)QQC' GA ' # M' 3?@P @)@QC' MD' O)P)@' OM F?C?OMD ' # M' 3) NO)E @C' ?@')) F CN' GW'))LSC' MD' E?L @D' ?' E)DN?@C' W ' MD' L?NND@LDND@' ?' MD' (2' O3' G0 ' B ' ' M?#' ' ED)FC' # M' E?QK C')C ?' MD' L)O D' ?' /?ND' B<' ' ED ? DE' ?')C ?F?PT' @' M C' T?Q M' B' @' A' ' M C') QED' ?')@L D@' ?QF @ D' WAW

,QC?@ QC' M C') QED' ?' M C)@ T' <')' D@E' ?' 5 ?KQC' G I ' M C' F) D T' ?' TNN)LMQ C' GWW' ' M)' DFD) ?@' @' MD' D P@' ?' J))@' GWW' GW ' ' @X FQD@LDC' M?' . NOD ?' ?' NO ? D' MD' O?C ?@' ?' O ? DCC? C' GW ' HW<' ' M C' OD C?@)F LM))L D')@E' L) DD ' G A' G <' @' W ' M C' P)@E) MD')@E') MD ' G W' G ' ' FFC' DN)FD' DF) DC' G ' G <' M C' C?L)F O?C ?@' G B' ' M C' E CF SD' ? ' ?#@' F D' G _' ' L?Q@ T' F D' @' M C' ND' G H' G I ' MD' DU D@' ?' M C' DC) D') ' 7)])C' GBI' ' M C' # D' , QC)' 3QL)@)')K @)' E DE' D) FT' G <' G B' M C' EDCL O ?@' ?' MD' 1 ?CDFFD A [' ' M C' L? DCO?@ED@LD' # M' H 5)QFF@QC' ?' - ?F)' WWG' ' M C' F) D T' ?' J))@' W<H

, C' E?@ QC' N) DC' M C' E)QPM D' d<_' ' M)' CD LDC')P) @C' , 4F)' GB_' A_[' ' EDCL O ?@' ?' ,)LQN' G_[' M C' N F) T' DUOD D@LD' Q@ED' , D Q)' A_[' ') CDE' ?' MD' M ?@D' KT')' J)FF?' J? M L')FF)@LD' A_W' 5)@DPT L' ?@' KT' E?@ QC' A_I' XX

7)Q ?')' D@E' ? ' TNN)LMQC') MD ' ? ' MD' . NO DCC' . QE?U) ' GH ' A _
7 CM?OC' O?#D ' LQ) FDE' KT' F LM?' WW' ' ?LLQO) ?@C' ? ' @' MD' M' LD@ Q T ' G_I' ' #'? LF)CCDC' ? ' K CM?OC' ' MD' N?@)C L')@E') C ?L) L ' GH[' ' DO CL?O)F' DFDL ?@C' @' J)QF' GHG' FD) @ @P')@E' DF?RQD@LD' ?' J)FF L' K CM?OC' ' ;DN ' 3QOQC' ? ' % ?TDC' 9)QC QC' ? ' 7 D]' GHW' GH ' ' CDDC' SDO ')L)@ ' KT' MD' ,)@' . Q L' W[<
7?D M @C' , @ L QC' 1)@F QC' %? RQ) QC' N) DE' ?')'P D) P D) P)@EE)QPM D ' ? ' : ' , Q ' TNN)LMQC' GAA' @ ' A
7? ED)QU' C' O ?COD T')@E')L)EDN L')ND' @' MD' ?Q M' LD@ Q T ' G G ' ?LLQO DE' ? ')' ND' @' G ' KT' MD' C P? MC ' A I W ')ND ' ? ' C' Q@ D C T ' H G
7 P)@E)PD' @' MD' @D PMK?Q M??E' ? ' ; ?ND' @' MD' ?Q M' LD@ Q T ' GAB' ' @ ' ,RQ N@D' @' MD' ND' ? ' , C?@ QC' G I' ' P ?# M' ? ' FFQC) DE' ?N' MD' ?ED' A[[' XX' ' @' MD' ND' ? ' MD' @)C ?@C' MD') P ' WG<
7Q PQ@E)@C' MD ' N)@@D C' H[G ' MD ' DF) ?@' ?' / ?ND' W [[' MD ' S @PC' G_I' @ ' B ' W[[

) M)PD')PD' ? ' MD' MD) D') ' I MQ LM' MD' MD ' O?F LT' ? ')LL?NN?E) ?@' ?#) EC' O)P)@' O)L LDC' B ' LMQ LM' F D' @' J)QF' @' MD' M' LD@ Q T ' G<A' G_H' GHB' ' F?#D DE' N?)F' ?@D' ? ') ' ; ?ND' GGG
F)QE)@' MD' E C)OOD) C' ?@' MD')FF ?' F LM?' M C' DF P ?QC' O?C ?@' M C') M' @' ; ?ND' W_' ' K C' L?@ DNO ' ?' MD' 7T])@ @D' @?KFDC' M C' ED ? ?@' ?' F LM?')@E' &?@? QC' WH' ' EDE L) DC' MD' 4 ' $, 5 ' 0 5' ?' 9F? D@ @QC' GWG
?ED' MD ? L)F LM))L D ' ? ' MD' F) D ' A ' GIW ' CQNN) T' ? ' C' O L Q D' ? ' C?L D T' GI[' ' #") ' ' D D)FC' ? ' MD' CO ' ? ' MD' P? D @ND@')@E' MD' . NOD ? C' L?@LDO ?@' ? ' M C' ? LD' GIA' AW[' AWG' ' D D)FC' MD' EDL)T' ? ' MD' LQ)FDC' A[' ')@E' MD' NO? D@LD' ? ' MD' P? D @ND@ ' AAA' Y' MQN)@D' ND)CQ DC' ? ' AWW
?))Q Q7' M C' C ' ?' 7? @D' @' H<B' @ D DC' @' MD' DNOFDC' AI
? O?) ?@C' C)L DE' MD' C)L')@E' 5)C ?OM? ' B ' B<' _W ' L? O?) ?@C' ? ' MD' T' ? ' ; ?ND' _W ' MD ' MD DE) T' LM))L D ' GIW <<' ' MDT' EDCD ' MD ' Q@L ?@C' GIB
QF C' .)C D @' MD 'LM)) L D C LC' B' _' B ' Y' MD ' # ED' E QC ?@' B ' ' MD _' M C ? T') ' 7? @D' ?N' MD' 5Q@ L' #) C B<' B 7 ' M)E' MDT')@T' D)F CO Q)F @ FQD@LD' Z _ [_<
Q)FDC' MD ' LM))L D ')C' EDCL KDE' KT')F)@QC' GGB' GIA' F)#C' DF) @P' ?' MDN' @' MD' %MD?E' ?ED' GI[' ' MD ' NQ@ L O)F')@E' NOD)F KQ ED@C' A[H' A[I ' MD ' NO?)@LD' @' MD' DTDC ? ' MD' . NOD ? ' AG[' ' T' ?' DCL)OD' ?N' MD ' KQ ED@C' AGG' ' MD ') DNO ' ?' D@ D ' MD' 'CD@) ?)F LF)CC' C' LMDLSDE' AGA AGW' ' MD 'O?C ?@' C L FT' MD DE X) T' AGW ' MD ' E C)K F DC' AG ' AG<' Q ?C ' MD ' Q@L ?@C' GIH ' MD ' L? QO ?@' GII' A[[' @ CQC' OQKF LQC' FDP CF) ?@' ?@' MD' CQKYDL' ? ' C')KQCD')@E' E C? P)@ C) ?@' GIH' GII' ' C FF Q@ @ D QO DE' KD #DD@ J)QF')@E')FT' @' B_' A_<

8)DN?@C' MD' KDF D ' @'))LSDE' KT' ' , QPQC @D' W ' M C' KDF D ' @ MD ' O?#D C' ? 'D F' BB
8)N)CQC' 5?OD' M C' L?@ F L ' # M' 4 C @QC' ? ' MD' O)O)F' M ?@D' G<' ?OO?CDC' MD' DC ?) ?@' ? ' MD' ,)' 'L ?)D' AB'
8D D@C? ' M C' O?#D C' AAI' @ ' A'
8DF) ? C' EDCL KDE' KT' E?@ QC' WGW
8DND)C' P)@EE)QPM D ' ? ' DU3' 5D 5 ?KQC' MD ' N C ? Q@DC' A<B'
8DCD ?@' O D)FD@LD' ? ' GIB' EDCD D C' LF)CCDE' # M' K P)@EC' A[G' ' CMDF D DE' KT' O ?LQ) ? C' AA
8 @) ?@' @' J)QF' ' 3)NO)E QC' ED ? DE' ?' GW ' D)F ? ' Q@ED ' MD' P? DNQ ?@ ' ? ' ,) @C' WB ' %QCL)@' E @D C' ? D ' MD ' CD LDC' ?' 5?NOD ' ?@QC')P) @C' , F) Q' G

. DE L QC' C?Q' ? ' , QC')@E' K ? MD @' F)#' ?' E?@ QC' M C' LM) T' GB[' ' M C' P)FF)@' ED D@LD' ? ' , Q D P@D')P) @C' MD' J? MC' GHA' W[W
. EQL) ?@' C' Q@LM)@P @P' LM))L D ' WAB' XX ' O ? C ?@' ? ' Q@ED ' MD' . NO D' WWW XX ' O FDPDC' ? ' D)LMD C' WW ' ' MD ' O)TND@ ' WW<' WWB ' MD ' C?L)F O?C ?@' WWB' XX' ' MD' P D)' CLM??FC' ? ' J)QF' WW I' XX ') ?Q D')Q M? C' @' MD' M' LD@ Q T ' W<G'
. @@?E QC')@)LL?Q@ '? 'M C' 4 . - 'WAB'
. O Y"M)@ QC' ? ' 5))' K C' N CC ?@' ?' . Q L' H[
. QPD@ QC' K C' LM))L D ')@E' CQOO? ' ? ' MD' O)P)@' D)L ?@' H[
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